

*Philip's*

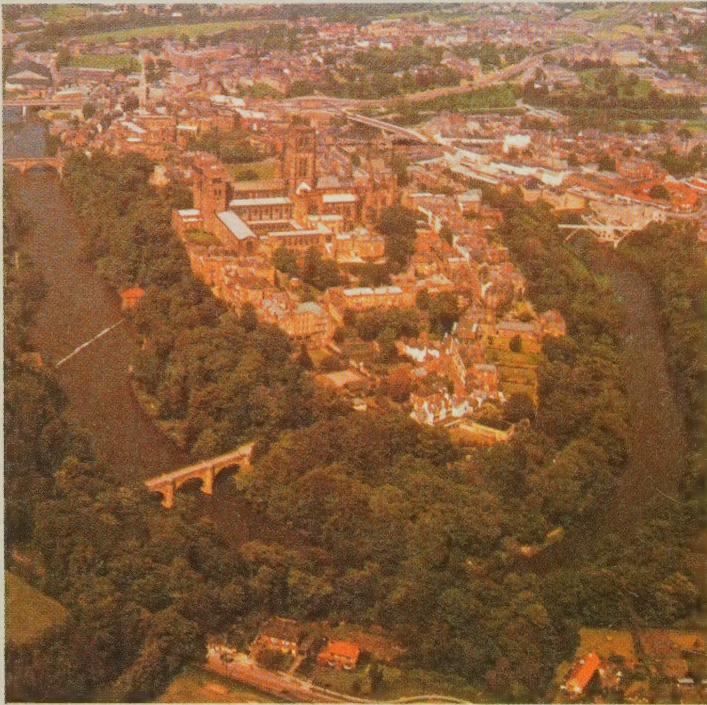
# CERTIFICATE ATLAS



HEINEMANN-PHILIP  
ATLASES



# Great Britain from the Air



## 1. DURHAM

The old city centre of Durham is on a protected but constricted site within an incised meander of the River Wear. Later developments have been forced to spread on to flatter land away from the river and have a more sprawling, less dense, character.



## 2. SUNDERLAND (TYNE & WEAR)

The growth of Sunderland has not been restricted by physical features. The availability of flat land next to the river has promoted heavy industrial developments close to the city centre. Large scale residential developments are evident on the higher slopes away from the river.

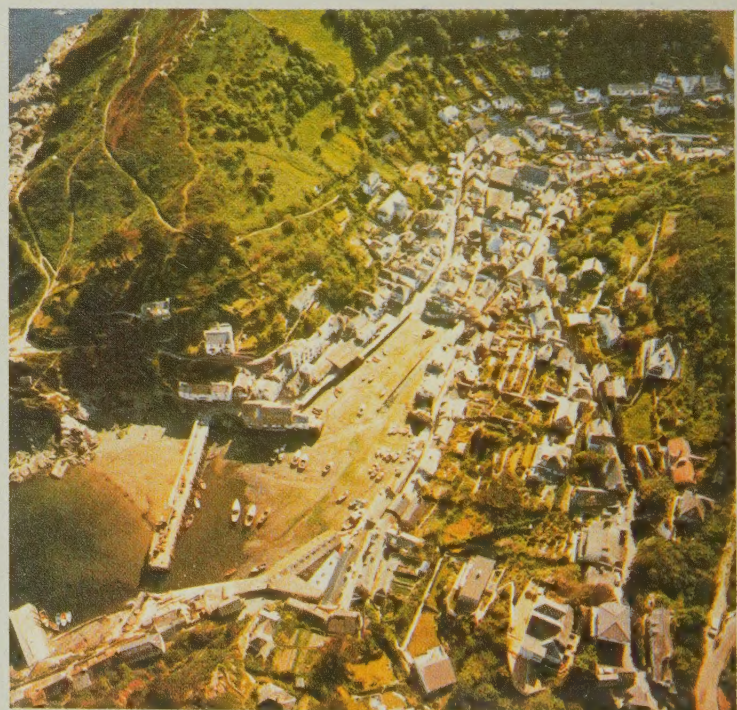
## 3. MILTON KEYNES (BUCKINGHAMSHIRE)

The recent growth of Milton Keynes has been planned and controlled resulting in a formal open pattern of development. Care has been taken to provide necessary services (such as shops and schools), plenty of car access and open spaces (both private and communal).



## 4. POLPERRO (CORNWALL)

The old, picturesque village of Polperro lies in a very restricted site which has severely limited growth. The harbour, whitewashed houses and inns make this village a great tourist attraction.







#### 5. LLYN LLYDAW AND SNOWDON

The Snowdonia region, like many highland areas in Scotland and Wales, is characterized by deep glacial erosion resulting in a dramatic landscape and scenery which has attracted tourism.



#### 6. RIVER SPEY (GRAMPIAN)

In this picture the River Spey flows over an area of glacial deposition, which is characteristically flat. The river meanders within a belt of natural vegetation suggesting that its course is too unstable to risk cultivating the nearby floodplain.

#### 7. EGLWYSEG MOUNTAINS (CLWYD)

This south-west facing limestone scarp is formed by differential weathering of the rocks. The poor soils and lack of surface water on the limestone plateau make this a poor farming area so that cultivation is restricted to the lowland areas.




#### 8. RUMPS POINT (CORNWALL)

The processes of erosion and deposition on the hard rock of these promontories have resulted in the formation of near vertical cliffs and sandfilled bays, including a treacherous bank of sand across the estuary of the River Camel which hindered the development of the port at Padstow.







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# Philips' **CERTIFICATE** Atlas

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George Philip



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# Preface

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The prime function of a map is to portray an objective reality – topographical details and the patterns of human occupancy that have developed upon it. In the tight limits of a school atlas, this requires a fine balance to show what is essential and yet maintain precision, legibility and a pleasing whole.

A school atlas must not be solely an arid enumeration of local detail and names. This century has seen an unparalleled expansion in the demand for specialized map information of all types and maps are expected to be not only more accurate and more detailed but also more interesting and more easily understood. The atlas should break new ground in the presentation and portrayal of essential facts of geography. It must give information on the matters which affect our environment and our daily lives. It must enable students to visualize landscape and understand the complex natural and human interrelationships which are the basis of regional, national and world problems. It must provide data for effective comparison of our own country and society with that of others in the world and between rich, poor and developing nations.

**Philips' Certificate Atlas** attempts to fulfil these aims by including topographic maps at various scales and on various projections, thematic maps, tables of statistics, diagrams, cross-sections, graphs, satellite, air and land photographs and an index. Every attempt has also been made to include up-to-date information, otherwise difficult to obtain by hard-pressed teachers and students, and to keep pace with the present-day greater rate of change of economies and societies.

The content is arranged with the world scene as the opening chapter followed by continental and regional studies.

Because many of the decisions which vitally affect our daily lives are taken at state government level, the world chapter starts with summary tables of the principal countries and cities of the world giving their areas and populations. Thematic maps, diagrams and graphs provide an overall view of the composition of the earth, and its surrounding atmosphere, its topography and climate, leading to a series of maps and graphics of spatial patterns of water and food resources, minerals and power resources, population and political organizations.

As befits an atlas intended for U.K. schools, there is emphasis on Great Britain and Ireland with thematic maps of the topography, geology, climate, land use, industry, power resources and population distribution. This is not, however, allowed to detract from a proper emphasis on our neighbouring countries in Europe and, in particular, on the E.E.C.

Throughout the regional and continental studies, topographic maps are complemented by thematic maps, diagrams and illustrations, which attempt to epitomise the character and problems of each country or region. For example, in West Germany, the importance of Ruhr industry and the significance of Rhine traffic, regional contrasts in Italy, the phenomenal industrial growth of Japan, the primary products of Australia and New Zealand, the economic production of North America.

Following the map section, there are tables of the production and trade of the principal countries and climatic statistics for representative stations throughout the world. A list of geographical terms precedes the index which gives the latitude and longitude co-ordinates for approximately 11 000 names.

H. FULLARD



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# Principal Countries of the World

| Country              | Area in thousands of square km. | Population in thousands | Density of population per sq. km. | Capital Population in thousands |
|----------------------|---------------------------------|-------------------------|-----------------------------------|---------------------------------|
| Afghanistan          | 647                             | 17 222                  | 27                                | Kābul (1 127)                   |
| Albania              | 29                              | 2 841                   | 98                                | Tiranë (202)                    |
| Algeria              | 2 382                           | 20 500                  | 9                                 | Algiers (1 740)                 |
| Angola               | 1 247                           | 8 339                   | 7                                 | Luanda (700)                    |
| Argentina            | 2 767                           | 29 627                  | 11                                | Buenos Aires (9 927)            |
| Australia            | 7 687                           | 15 369                  | 2                                 | Canberra (256)                  |
| Austria              | 84                              | 7 549                   | 90                                | Vienna (1 531)                  |
| Bangladesh           | 144                             | 94 651                  | 657                               | Dhaka (3 459)                   |
| Belgium              | 31                              | 9 856                   | 318                               | Brussels (989)                  |
| Belize               | 23                              | 156                     | 5                                 | Belmopan (3)                    |
| Benin                | 113                             | 3 720                   | 33                                | Porto-Novo (208)                |
| Bhutan               | 47                              | 1 360                   | 29                                | Thimphu (60)                    |
| Bolivia              | 1 099                           | 6 082                   | 5                                 | Sucre (64)<br>La Paz (881)      |
| Botswana             | 600                             | 1 007                   | 2                                 | Gaborone (79)                   |
| Brazil               | 8 512                           | 129 662                 | 15                                | Brasília (1 177)                |
| Brunei               | 6                               | 209                     | 35                                | Bandar Seri Begawan (58)        |
| Bulgaria             | 111                             | 8 946                   | 81                                | Sofia (1 094)                   |
| Burkina Faso         | 274                             | 6 607                   | 24                                | Ouagadougou (286)               |
| Burma                | 677                             | 36 750                  | 54                                | Rangoon (2 459)                 |
| Burundi              | 28                              | 4 540                   | 162                               | Bujumbura (141)                 |
| Cameroon             | 475                             | 9 165                   | 19                                | Yaoundé (485)                   |
| Canada               | 9 976                           | 24 907                  | 2                                 | Ottawa (738)                    |
| Central African Rep. | 623                             | 2 450                   | 4                                 | Bangui (382)                    |
| Chad                 | 1 284                           | 4 789                   | 4                                 | Ndjamena (303)                  |
| Chile                | 757                             | 11 682                  | 15                                | Santiago (4 132)                |
| China                | 9 597                           | 1 039 677               | 108                               | Peking (9 330)                  |
| Colombia             | 1 139                           | 27 190                  | 24                                | Bogotá (4 486)                  |
| Congo                | 342                             | 1 651                   | 5                                 | Brazzaville (422)               |
| Costa Rica           | 51                              | 2 379                   | 47                                | San José (245)                  |
| Cuba                 | 115                             | 9 884                   | 86                                | Havana (1 951)                  |
| Cyprus               | 9                               | 655                     | 73                                | Nicosia (161)                   |
| Czechoslovakia       | 128                             | 15 415                  | 120                               | Prague (1 190)                  |
| Denmark              | 43                              | 5 118                   | 119                               | Copenhagen (1 366)              |
| Djibouti             | 22                              | 332                     | 15                                | Djibouti (150)                  |
| Dominican Republic   | 49                              | 5 962                   | 121                               | Santo Domingo (1 313)           |
| Ecuador              | 284                             | 9 251                   | 32                                | Quito (1 110)                   |
| Egypt                | 1 001                           | 45 915                  | 46                                | Cairo (6 818)                   |
| El Salvador          | 21                              | 5 232                   | 249                               | San Salvador (884)              |
| Equatorial Guinea    | 28                              | 381                     | 14                                | Rey Malabo (37)                 |
| Ethiopia             | 1 222                           | 33 680                  | 28                                | Addis Ababa (1 478)             |
| Fiji                 | 18                              | 670                     | 37                                | Suva (71)                       |
| Finland              | 337                             | 4 863                   | 14                                | Helsinki (932)                  |
| France               | 547                             | 54 652                  | 99                                | Paris (8 510)                   |
| French Guiana        | 91                              | 78                      | 1                                 | Cayenne (38)                    |
| Gabon                | 268                             | 1 127                   | 4                                 | Libreville (350)                |
| Gambia               | 11                              | 696                     | 63                                | Banjul (103)                    |
| Germany, East        | 108                             | 16 864                  | 156                               | East Berlin (1 173)             |
| Germany, West        | 249                             | 61 638                  | 248                               | Bonn (293)                      |
| Ghana                | 239                             | 12 700                  | 53                                | Accra (965)                     |
| Greece               | 132                             | 9 848                   | 75                                | Athens (3 027)                  |
| Greenland            | 2 176                           | 52                      | 0.02                              | Godthaab (10)                   |
| Guatemala            | 109                             | 7 699                   | 71                                | Guatemala (1 300)               |
| Guinea               | 246                             | 5 704                   | 23                                | Conakry (763)                   |
| Guinea-Bissau        | 36                              | 836                     | 23                                | Bissau (109)                    |
| Guyana               | 215                             | 922                     | 4                                 | Georgetown (188)                |
| Haiti                | 28                              | 5 201                   | 186                               | Port-au-Prince (888)            |
| Honduras             | 112                             | 4 092                   | 37                                | Tegucigalpa (534)               |
| Hong Kong            | 1                               | 5 313                   | 5 313                             | Hong Kong (1 184)               |
| Hungary              | 93                              | 10 702                  | 115                               | Budapest (2 064)                |
| Iceland              | 103                             | 236                     | 2                                 | Reykjavik (124)                 |
| India                | 3 288                           | 732 256                 | 223                               | Delhi (5 729)                   |
| Indonesia            | 2 027                           | 156 442                 | 77                                | Jakarta (6 503)                 |
| Iran                 | 1 648                           | 42 070                  | 26                                | Tehrān (4 589)                  |
| Iraq                 | 435                             | 14 654                  | 34                                | Baghdād (2 969)                 |
| Irish Republic       | 70                              | 3 508                   | 50                                | Dublin (915)                    |
| Israel               | 21                              | 4 097                   | 195                               | Jerusalem (429)                 |
| Italy                | 301                             | 56 836                  | 189                               | Rome (2 831)                    |
| Ivory Coast          | 322                             | 9 300                   | 29                                | Abidjan (1 850)                 |
| Jamaica              | 11                              | 2 260                   | 205                               | Kingston (671)                  |
| Japan                | 372                             | 119 259                 | 320                               | Tōkyō (11 676)                  |
| Jordan               | 98                              | 3 489                   | 36                                | 'Ammān (681)                    |
| Kampuchea            | 181                             | 6 981                   | 39                                | Phnom Penh (500)                |
| Kenya                | 583                             | 18 784                  | 32                                | Nairobi (1 200)                 |
| Korea, North         | 121                             | 19 185                  | 158                               | P'yōngyang (1 500)              |
| Korea, South         | 98                              | 39 951                  | 408                               | Seoul (8 367)                   |

| Country              | Area in thousands of square km. | Population in thousands | Density of population per sq. km. | Capital Population in thousands     |
|----------------------|---------------------------------|-------------------------|-----------------------------------|-------------------------------------|
| Kuwait               | 18                              | 1 672                   | 93                                | Kuwait (775)                        |
| Laos                 | 237                             | 4 209                   | 18                                | Vientiane (120)                     |
| Lebanon              | 10                              | 2 739                   | 274                               | Beirut (702)                        |
| Lesotho              | 30                              | 1 444                   | 48                                | Maseru (45)                         |
| Liberia              | 111                             | 2 113                   | 19                                | Monrovia (425)                      |
| Libya                | 1 760                           | 3 356                   | 2                                 | Tripoli (980)                       |
| Luxembourg           | 3                               | 365                     | 121                               | Luxembourg (79)                     |
| Madagascar           | 587                             | 9 400                   | 16                                | Antananarivo (400)                  |
| Malawi               | 118                             | 6 429                   | 54                                | Lilongwe (99)                       |
| Malaysia             | 330                             | 14 860                  | 45                                | Kuala Lumpur (938)                  |
| Mali                 | 1 240                           | 7 528                   | 6                                 | Bamako (419)                        |
| Malta                | 0.3                             | 377                     | 1 256                             | Valletta (14)                       |
| Mauritania           | 1 031                           | 1 779                   | 2                                 | Nouakchott (135)                    |
| Mauritius            | 2                               | 993                     | 496                               | Port Louis (150)                    |
| Mexico               | 1 973                           | 75 103                  | 38                                | Mexico (14 750)                     |
| Mongolia             | 1 565                           | 1 803                   | 1                                 | Ulan Bator (419)                    |
| Morocco              | 447                             | 22 110                  | 49                                | Rabat (842)                         |
| Mozambique           | 783                             | 13 311                  | 17                                | Maputo (384)                        |
| Namibia              | 824                             | 1 040                   | 1                                 | Windhoek (61)                       |
| Nepal                | 141                             | 15 738                  | 112                               | Katmandu (235)                      |
| Netherlands          | 41                              | 14 362                  | 350                               | Amsterdam (994)                     |
| New Zealand          | 269                             | 3 203                   | 12                                | Wellington (343)                    |
| Nicaragua            | 130                             | 3 058                   | 23                                | Managua (615)                       |
| Niger                | 1 267                           | 6 040                   | 5                                 | Niamey (225)                        |
| Nigeria              | 924                             | 89 022                  | 96                                | Lagos (1 477)                       |
| Norway               | 324                             | 4 129                   | 13                                | Oslo (643)                          |
| Oman                 | 212                             | 1 131                   | 5                                 | Muscat (25)                         |
| Pakistan             | 804                             | 89 729                  | 112                               | Islamabad (201)                     |
| Panama               | 76                              | 2 089                   | 27                                | Panamá (655)                        |
| Papua New Guinea     | 462                             | 3 190                   | 7                                 | Port Moresby (124)                  |
| Paraguay             | 407                             | 3 472                   | 8                                 | Asunción (708)                      |
| Peru                 | 1 285                           | 18 790                  | 15                                | Lima (5 258)                        |
| Philippines          | 300                             | 52 055                  | 173                               | Manila (1 630)                      |
| Poland               | 313                             | 36 571                  | 117                               | Warsaw (1 649)                      |
| Portugal             | 92                              | 10 056                  | 109                               | Lisbon (1 612)                      |
| Puerto Rico          | 9                               | 3 350                   | 372                               | San Juan (1 086)                    |
| Romania              | 238                             | 22 638                  | 95                                | Bucharest (1 979)                   |
| Rwanda               | 26                              | 5 700                   | 219                               | Kigali (157)                        |
| Saudi Arabia         | 2 150                           | 10 421                  | 5                                 | Riyadh (667)                        |
| Senegal              | 196                             | 6 316                   | 32                                | Dakar (799)                         |
| Sierra Leone         | 72                              | 3 672                   | 51                                | Freetown (316)                      |
| Singapore            | 0.6                             | 2 529                   | 4 170                             | Singapore (2 517)                   |
| Somali Republic      | 638                             | 5 269                   | 8                                 | Mogadishu (600)                     |
| South Africa         | 1 221                           | 31 008                  | 25                                | Pretoria (739)<br>Cape Town (1 491) |
| Spain                | 505                             | 38 228                  | 76                                | Madrid (3 188)                      |
| Sri Lanka            | 66                              | 15 416                  | 234                               | Colombo (1 412)                     |
| Sudan                | 2 506                           | 20 362                  | 8                                 | Khartoum (476)                      |
| Surinam              | 163                             | 407                     | 2                                 | Paramaribo (151)                    |
| Swaziland            | 17                              | 605                     | 36                                | Mbabane (23)                        |
| Sweden               | 450                             | 8 331                   | 19                                | Stockholm (1 420)                   |
| Switzerland          | 41                              | 6 482                   | 158                               | Bern (301)                          |
| Syria                | 185                             | 9 660                   | 52                                | Damascus (1 112)                    |
| Taiwan               | 36                              | 18 700                  | 519                               | Taipei (2 271)                      |
| Tanzania             | 945                             | 20 378                  | 22                                | Dodoma (46)                         |
| Thailand             | 514                             | 49 459                  | 96                                | Bangkok (5 468)                     |
| Togo                 | 56                              | 2 756                   | 49                                | Lomé (283)                          |
| Trinidad and Tobago  | 5                               | 1 202                   | 240                               | Port of Spain (60)                  |
| Tunisia              | 164                             | 6 886                   | 42                                | Tunis (774)                         |
| Turkey               | 781                             | 47 279                  | 61                                | Ankara (2 276)                      |
| Uganda               | 236                             | 14 625                  | 62                                | Kampala (332)                       |
| United Arab Emirates | 84                              | 1 206                   | 14                                | Abu Dhabi (243)                     |
| U.S.S.R.             | 22 402                          | 272 500                 | 12                                | Moscow (8 537)                      |
| United Kingdom       | 245                             | 56 377                  | 230                               | London (6 767)                      |
| United States        | 9 363                           | 234 496                 | 25                                | Washington (3 429)                  |
| Uruguay              | 178                             | 2 968                   | 17                                | Montevideo (1 362)                  |
| Venezuela            | 912                             | 16 394                  | 18                                | Caracas (2 944)                     |
| Vietnam              | 330                             | 57 181                  | 173                               | Hanoi (2 571)                       |
| Western Samoa        | 3                               | 159                     | 53                                | Apia (32)                           |
| Yemen, North         | 195                             | 6 232                   | 32                                | Sana' (278)                         |
| Yemen, South         | 288                             | 2 158                   | 7                                 | Aden (264)                          |
| Yugoslavia           | 256                             | 22 800                  | 89                                | Belgrade (1 407)                    |
| Zaire                | 2 345                           | 31 151                  | 13                                | Kinshasa (2 444)                    |
| Zambia               | 753                             | 6 242                   | 8                                 | Lusaka (538)                        |
| Zimbabwe             | 391                             | 7 740                   | 20                                | Harare (681)                        |



# Principal Cities of the World

The population figures used are from censuses or more recent estimates and are given in thousands for towns and cities over 500,000 (over 750,000 in China, India, the U.S.S.R. and the U.S.A.) Where possible the population of the metropolitan area is given e.g. Greater London, Greater New York, etc.

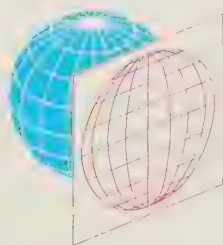
|                     |        |  |                       |  |  |                |                       |  |                |       |                       |       |            |        |                    |       |  |       |
|---------------------|--------|--|-----------------------|--|--|----------------|-----------------------|--|----------------|-------|-----------------------|-------|------------|--------|--------------------|-------|--|-------|
| AFRICA              |        |  | JORDAN (1981)         |  |  | DENMARK (1984) |                       |  | Dnepropetrovsk |       |                       | 1 140 | Pittsburgh |        |                    | 2 372 |  |       |
| ALGERIA (1977)      |        |  | 'Ammān                |  |  | 681            | Copenhagen            |  |                | 1 366 | Tbilisi               |       |            | 1 140  | Baltimore          |       |  | 2 245 |
| Algiers             | 1 740  |  | KOREA, NORTH (1972)   |  |  |                | FINLAND (1983)        |  |                |       | Yerevan               |       |            | 1 114  | Minneapolis-St.    |       |  |       |
| Oran                | 543    |  | Pyōngyang             |  |  | 1 500          | Helsinki              |  |                | 932   | Odessa                |       |            | 1 113  | Paul               |       |  | 2 231 |
| ANGOLA (1982)       |        |  | KOREA, SOUTH (1980)   |  |  |                | FRANCE (1982)         |  |                |       | Omsk                  |       |            | 1 094  | Seattle            |       |  | 2 208 |
| Luanda              | 700    |  | Seoul                 |  |  | 8 367          | Paris                 |  |                | 8 510 | Chelyabinsk           |       |            | 1 086  | San Diego          |       |  | 2 064 |
| CAMEROON (1983)     |        |  | Pusan                 |  |  | 3 160          | Lyons                 |  |                | 1 170 | Donetsk               |       |            | 1 064  | Tampa              |       |  | 1 811 |
| Douala              | 708    |  | Taegu                 |  |  | 1 607          | Marseilles            |  |                | 1 080 | Perm                  |       |            | 1 048  | Denver             |       |  | 1 791 |
| EGYPT (1976)        |        |  | Inchōn                |  |  | 1 085          | Lille                 |  |                | 935   | Ufa                   |       |            | 1 048  | Phoenix            |       |  | 1 715 |
| Cairo               | 6 818  |  | Kwangju               |  |  | 728            | Bordeaux              |  |                | 628   | Alma-Ata              |       |            | 1 046  | Cincinnati         |       |  | 1 673 |
| Alexandria          | 2 318  |  | Taejon                |  |  | 652            | Toulouse              |  |                | 523   | Kazan                 |       |            | 1 039  | Milwaukee          |       |  | 1 568 |
| El Giza             | 1 230  |  | KUWAIT (1980)         |  |  |                | GERMANY, EAST (1982)  |  |                |       | Rostov                |       |            | 983    | Kansas City        |       |  | 1 477 |
| ETHIOPIA (1983)     |        |  | Kuwait                |  |  | 775            | East Berlin           |  |                | 1 173 | Volgograd             |       |            | 969    | Portland           |       |  | 1 341 |
| Addis Ababa         | 1 478  |  | LEBANON (1980)        |  |  |                | Leipzig               |  |                | 557   | Saratov               |       |            | 893    | New Orleans        |       |  | 1 319 |
| GHANA (1984)        |        |  | Beirut                |  |  | 702            | Dresden               |  |                | 521   | Riga                  |       |            | 875    | Columbus           |       |  | 1 279 |
| Accra               | 965    |  | MALAYSIA (1980)       |  |  |                | GERMANY, WEST (1983)  |  |                |       | Krasnoyarsk           |       |            | 857    | Sacramento         |       |  | 1 220 |
| GUINEA (1980)       |        |  | Kuala Lumpur          |  |  | 938            | West Berlin           |  |                | 1 860 | Zaporozhye            |       |            | 844    | Buffalo            |       |  | 1 205 |
| Conakry             | 763    |  | PAKISTAN (1981)       |  |  |                | Hamburg               |  |                | 1 618 | Voronezh              |       |            | 840    | Indianapolis       |       |  | 1 195 |
| IVORY COAST (1982)  |        |  | Karachi               |  |  | 5 103          | Munich                |  |                | 1 284 | UNITED KINGDOM (1981) |       |            |        | San Antonio        |       |  | 1 188 |
| Abidjan             | 1 850  |  | Lahore                |  |  | 2 922          | Cologne               |  |                | 953   | London (1985)         |       |            | 6 767  | Providence         |       |  | 1 095 |
| Bouaké              | 640    |  | Faisalabad            |  |  | 1 092          | Essen                 |  |                | 635   | Birmingham (1985)     |       |            | 1 007  | Norfolk            |       |  | 1 026 |
| KENYA (1985)        |        |  | Rawalpindi            |  |  | 806            | Frankfurt             |  |                | 615   | Glasgow               |       |            | 762    | Salt Lake City     |       |  | 1 025 |
| Nairobi             | 1 200  |  | Hyderabad             |  |  | 795            | Dortmund              |  |                | 595   | Liverpool             |       |            | 510    | Rochester          |       |  | 989   |
| LIBYA (1982)        |        |  | Multan                |  |  | 730            | Düsseldorf            |  |                | 580   | YUGOSLAVIA (1981)     |       |            |        | Louisville         |       |  | 963   |
| Tripoli             | 980    |  | Gujranwala            |  |  | 597            | Stuttgart             |  |                | 571   | Belgrade              |       |            | 1 407  | Oklahoma           |       |  | 963   |
| Benghazi            | 650    |  | Peshawar              |  |  | 555            | Bremen                |  |                | 545   | Zagreb                |       |            | 1 175  | Memphis            |       |  | 935   |
| MOROCCO (1981)      |        |  | PHILIPPINES (1980)    |  |  |                | Duisburg              |  |                | 542   | Skopje                |       |            | 507    | Dayton             |       |  | 930   |
| Casablanca          | 2 409  |  | Manila                |  |  | 1 630          | Hanover               |  |                | 524   | NORTH AMERICA         |       |            |        | Birmingham         |       |  | 895   |
| Rabat-Salé          | 842    |  | Quezon City           |  |  | 1 166          | GREECE (1981)         |  |                |       | CANADA (1983)         |       |            |        | Nashville-Davidson |       |  | 890   |
| Fès                 | 562    |  | Davao                 |  |  | 610            | Athens                |  |                | 3 027 | Toronto               |       |            | 3 067  | Greensboro         |       |  | 886   |
| Marrakesh           | 549    |  | SAUDI ARABIA (1974)   |  |  |                | Thessaloniki          |  |                | 871   | Montréal              |       |            | 2 862  | Albany             |       |  | 843   |
| NIGERIA (1975)      |        |  | Riyadh                |  |  | 667            | HUNGARY (1984)        |  |                |       | Vancouver             |       |            | 1 311  | Orlando            |       |  | 824   |
| Lagos               | 1 477  |  | Jedda                 |  |  | 561            | Budapest              |  |                | 2 064 | Ottawa                |       |            | 738    | Honolulu           |       |  | 805   |
| Ibadan              | 847    |  | SINGAPORE (1983)      |  |  |                | IRISH REPUBLIC (1981) |  |                |       | Edmonton              |       |            | 699    | Richmond           |       |  | 796   |
| SENEGAL (1979)      |        |  | Singapore             |  |  | 2 517          | Dublin                |  |                | 915   | Jacksonville          |       |            | 795    | SOUTH AMERICA      |       |  |       |
| Dakar               | 799    |  | SRI LANKA (1982)      |  |  |                | ITALY (1983)          |  |                |       | Calgary               |       |            | 634    | ARGENTINA (1980)   |       |  |       |
| SOMALI REP. (1982)  |        |  | Colombo               |  |  | 1 412          | Rome                  |  |                | 2 831 | Winnipeg              |       |            | 601    | Buenos Aires       |       |  | 9 927 |
| Mogadishu           | 600    |  | SYRIA (1982)          |  |  |                | Milan                 |  |                | 1 561 | Québec                |       |            | 580    | Córdoba            |       |  | 982   |
| SOUTH AFRICA (1980) |        |  | Aleppo                |  |  | 985            | Naples                |  |                | 1 209 | Hamilton              |       |            | 548    | Rosario            |       |  | 955   |
| Johannesburg        | 1 726  |  | TAIWAN (1981)         |  |  |                | Turin                 |  |                | 1 069 | CUBA (1982)           |       |            |        | Mendoza            |       |  | 597   |
| Cape Town           | 1 491  |  | Taipei                |  |  | 2 271          | Genoa                 |  |                | 747   | Havana                |       |            | 1 951  | La Plata           |       |  | 560   |
| Durban              | 961    |  | Kaohsiung             |  |  | 1 227          | Palermo               |  |                | 712   | DOMINICAN REP. (1981) |       |            |        | BOLIVIA (1982)     |       |  |       |
| Pretoria            | 739    |  | Taichung              |  |  | 607            | NETHERLANDS (1984)    |  |                |       | Santo Domingo         |       |            | 1 313  | La Paz             |       |  | 881   |
| Port Elizabeth      | 585    |  | Tainan                |  |  | 595            | Rotterdam             |  |                | 1 025 | EL SALVADOR (1983)    |       |            |        | BRAZIL (1980)      |       |  |       |
| SUDAN (1983)        |        |  | THAILAND (1982)       |  |  |                | Amsterdam             |  |                | 994   | San Salvador          |       |            | 884    | São Paulo          |       |  | 8 493 |
| Omdurman            | 526    |  | Bangkok               |  |  | 5 468          | The Hague             |  |                | 672   | GUATEMALA (1983)      |       |            |        | Rio de Janeiro     |       |  | 5 091 |
| TANZANIA (1978)     |        |  | INDONESIA (1980)      |  |  |                | Utrecht               |  |                | 501   | Guatemala             |       |            | 1 300  | Belo Horizonte     |       |  | 1 781 |
| Dar-es-Salaam       | 757    |  | Jakarta               |  |  | 6 503          | NORWAY (1984)         |  |                |       | HAITI (1982)          |       |            |        | Salvador           |       |  | 1 502 |
| TUNISIA (1984)      |        |  | Surabaya              |  |  | 2 028          | Oslo                  |  |                | 643   | Port-au-Prince        |       |            | 888    | Fortaleza          |       |  | 1 308 |
| Tunis               | 774    |  | Bandung               |  |  | 1 462          | POLAND (1984)         |  |                |       | HONDURAS (1982)       |       |            |        | Recife             |       |  | 1 204 |
| ZAIRE (1976)        |        |  | Medan                 |  |  | 1 379          | Warsaw                |  |                | 1 649 | Tegucigalpa           |       |            | 534    | Brasília           |       |  | 1 177 |
| Kinshasa            | 2 444  |  | Semarang              |  |  | 1 026          | Lodz                  |  |                | 849   | JAMAICA (1980)        |       |            |        | Pôrto Alegre       |       |  | 1 125 |
| Kananga             | 704    |  | Palembang             |  |  | 787            | Kraków                |  |                | 740   | Kingston              |       |            | 671    | Nova Iguaçu        |       |  | 1 095 |
| ZAMBIA (1980)       |        |  | Ujung Pandang         |  |  | 709            | Wrocław               |  |                | 636   | MEXICO (1979)         |       |            |        | Curitiba           |       |  | 1 025 |
| Lusaka              | 538    |  | Malang                |  |  | 512            | Poznań                |  |                | 574   | Mexico                |       |            | 14 750 | Belém              |       |  | 933   |
| ZIMBABWE (1983)     |        |  | IRAN (1976)           |  |  |                | PORTUGAL (1981)       |  |                |       | Guadalajara           |       |            | 2 468  | Goiania            |       |  | 717   |
| Harare              | 681    |  | Tehrān                |  |  | 4 589          | Lisbon                |  |                | 1 612 | Netzahualcóyotl       |       |            | 2 331  | Campinas           |       |  | 665   |
| ASIA                |        |  | Esfahān               |  |  | 842            | Oporto                |  |                | 1 315 | Monterrey             |       |            | 2 019  | Manaus             |       |  | 633   |
| AFGHANISTAN (1982)  |        |  | Mashhad               |  |  | 743            | ROMANIA (1982)        |  |                |       | Puebla                |       |            | 711    | São Gonçalo        |       |  | 615   |
| Kābul               | 1 127  |  | Tabriz                |  |  | 715            | Bucharest             |  |                | 1 979 | Ciudad Juárez         |       |            | 625    | Duque de Caxias    |       |  | 576   |
| BANGLADESH (1982)   |        |  | IRAQ (1970)           |  |  |                | SPAIN (1981)          |  |                |       | León                  |       |            | 625    | Santo André        |       |  | 553   |
| Dhaka               | 3 459  |  | Baghdād               |  |  | 2 969          | Madrid                |  |                | 3 188 | Tijuana               |       |            | 566    | Guarulhos          |       |  | 533   |
| Chittagong          | 1 388  |  | JAPAN (1982)          |  |  |                | Barcelona             |  |                | 1 755 | NICARAGUA (1981)      |       |            |        | CHILE (1983)       |       |  |       |
| Khulna              | 623    |  | Tōkyō                 |  |  | 11 676         | Valencia              |  |                | 752   | Managua               |       |            | 615    | Santiago           |       |  | 4 132 |
| BURMA (1983)        |        |  | Hiroshima             |  |  | 898            | Seville               |  |                | 654   | PANAMA (1981)         |       |            |        | COLOMBIA (1980)    |       |  |       |
| Rangoon             | 2 459  |  | Sakai                 |  |  | 809            | Zaragoza              |  |                | 591   | Panama                |       |            | 655    | Bogotá             |       |  | 4 486 |
| KAMPUCHEA (1983)    |        |  | Chiba                 |  |  | 756            | Málaga                |  |                | 503   | PUERTO RICO (1980)    |       |            |        | Medellin           |       |  | 1 812 |
| Phnom Penh          | 500    |  | Sendai                |  |  | 662            | SWEDEN (1983)         |  |                |       | San Juan              |       |            | 1 086  | Cali               |       |  | 1 232 |
| CHINA (1982)        |        |  | Okayama               |  |  | 551            | Stockholm             |  |                | 1 420 | UNITED STATES (1984)  |       |            |        | Barranquilla       |       |  | 900   |
| Shanghai            | 11 940 |  | Kumamoto              |  |  | 522            | Zürich                |  |                | 840   | New York              |       |            | 17 807 | ECUADOR (1982)     |       |  |       |
| Peking              | 9 330  |  | Kagoshima             |  |  | 514            | U.S.S.R. (1983-84)    |  |                |       | Los Angeles           |       |            | 12 373 | Guayaquil          |       |  | 1 301 |
| Tientsin            | 7 850  |  | Amagasaki             |  |  | 510            | Moscow                |  |                | 8 537 | Chicago               |       |            | 8 035  | Quito              |       |  | 1 110 |
| Shenyang            | 4 080  |  | Higashiōsaka          |  |  | 501            | Leningrad             |  |                | 4 827 | Philadelphia          |       |            | 5 755  | PARAGUAY (1983)    |       |  |       |
| Wuhan               | 3 280  |  | EUROPE                |  |  |                | Kiev                  |  |                | 2 409 | San Francisco         |       |            | 5 685  | Asunción           |       |  | 708   |
| Kwangchow           | 3 160  |  | AUSTRIA (1984)        |  |  |                | Tashkent              |  |                | 1 986 | PERU (1983)           |       |            |        | PERU (1983)        |       |  |       |
| Chungking           | 2 690  |  | Vienna                |  |  | 1 531          | Baku                  |  |                | 1 661 | Lima                  |       |            | 5 258  | URUGUAY (1981)     |       |  |       |
| Harbin              | 2 560  |  | BELGIUM (1983)        |  |  |                | Kharkov               |  |                | 1 536 | Montevideo            |       |            | 1 362  | VENEZUELA (1980)   |       |  |       |
| Chengtū             | 2 510  |  | Brussels              |  |  | 989            | Minsk                 |  |                | 1 442 | Caracas               |       |            | 2 944  | VENEZUELA (1980)   |       |  |       |
|                     |        |  | BULGARIA (1984)       |  |  |                | Gorki                 |  |                | 1 392 | Maracaibo             |       |            | 901    | VENEZUELA (1980)   |       |  |       |
|                     |        |  | Sofia                 |  |  | 1 094          | Novosibirsk           |  |                | 1 384 | Valencia              |       |            | 506    | VENEZUELA (1980)   |       |  |       |
|                     |        |  | CZECHOSLOVAKIA (1984) |  |  |                | Sverdlovsk            |  |                | 1 286 |                       |       |            |        | VENEZUELA (1980)   |       |  |       |
|                     |        |  | Prague                |  |  | 1 190          | Kuybyshev             |  |                | 1 250 |                       |       |            |        | VENEZUELA (1980)   |       |  |       |



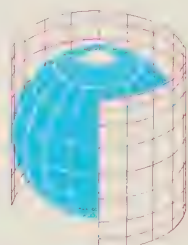
# Map Projections

As the Earth is spherical in shape, it cannot be represented on a plane surface without some distortion. The map projection is a system for attempting to represent the sphere on a two-dimensional plane. A

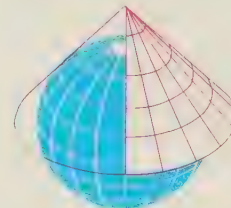
projection has certain properties: the representation of correct area, true shape or true bearings. The preservation of one property can only be secured at the expense of the other qualities.



**Azimuthal**



**Cylindrical**

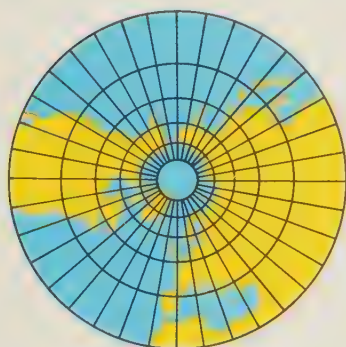


**Conical**

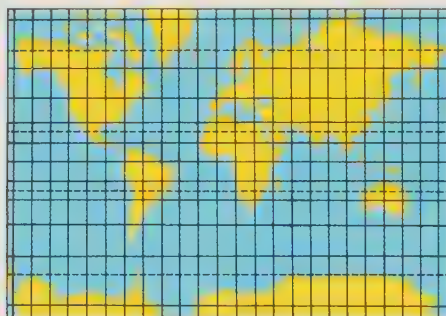
An Azimuthal projection is constructed by the projection of part of the globe onto a plane tangential to a pole, the equator, or any other single point on the globe. The zenithal gnomonic projection shown below (A), has a plane touching the pole. It is ideal for showing polar air-routes because the shortest distance between any two points is a straight line. Air-route distances from one point (e.g. Capetown) are best shown by the Oblique Zenithal Equidistant (B).

Cylindrical projections are constructed by projecting a portion of the globe onto a cylinder tangential to the globe. The cylinder may be tangential to the equator. The tangential line is the only one true to scale, with distortion of size and shape increasing towards the top and bottom of the cylinder. The Mercator projection below (A) is a modification of a cylindrical projection. It avoids distortion of shape by making an increase in scale along the parallels. There is still size distortion, but its great use is for navigation since bearings can be plotted as straight lines. The Mollweide projection (B) is a 'conventional' cylindrical projection on which the meridians are no longer parallel. This is an equal area projection, useful for mapping distributions. In this case, it has been 'interrupted'.

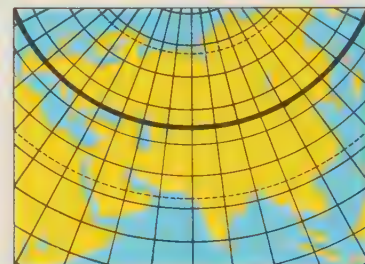
Conical projections use the projection of the globe onto a cone which is tangential to a parallel (or any other small circle) on the globe. The scale is correct along this tangential line and can be made to be correct along the parallel or the meridians. In the simple conic (A) below, the scale is correct along the parallel indicated and the meridians. Bonnes projection (B) is equal area, the parallels being correctly divided, although there is shape distortion, especially at the edges.



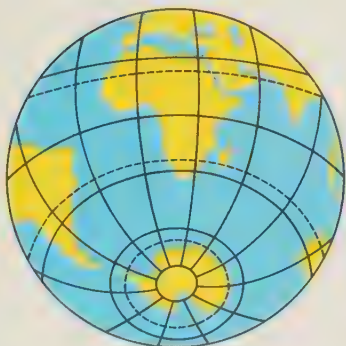
**(A) Zenithal Gnomonic**



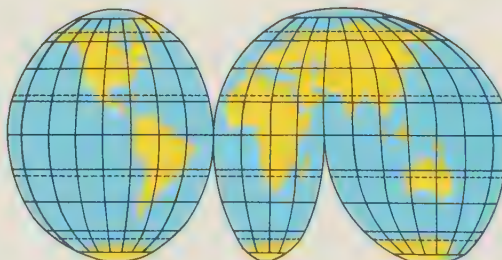
**(A) Mercator**



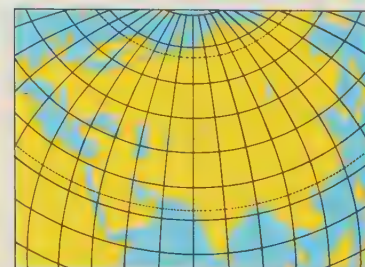
**(A) Simple Conic**



**(B) Oblique Zenithal Equidistant**



**(B) Interrupted Mollweide**



**(B) Bonne**

Many projections can be obtained if the surface onto which the graticule is developed cuts the sphere, rather than being tangential to it. These projections, called secant, can reduce distortion. The choice of map projection depends largely on the 'property' required — correct area, scale, shape or bearings. The area and location to be covered is also important. Conical

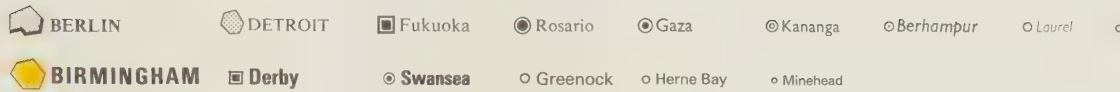
projections cannot cover the entire globe and are most suited for temperate areas of large longitudinal extent. Azimuthal projections are best for larger scale maps of small areas so that distortion around the edges is not too great. Cylindrical projections are best to map the whole world.



# KEY TO SYMBOLS

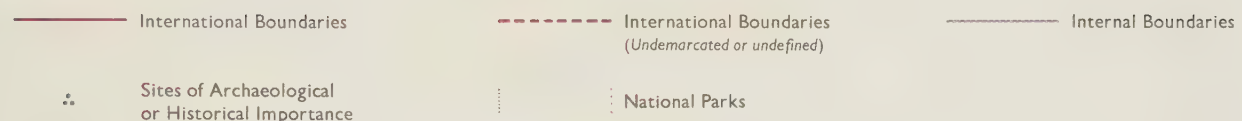
These are the symbols used in the general maps in the atlas. The thematic symbols are explained in a key alongside each map and an attempt has been made to keep them consistent throughout the atlas.

## Settlement



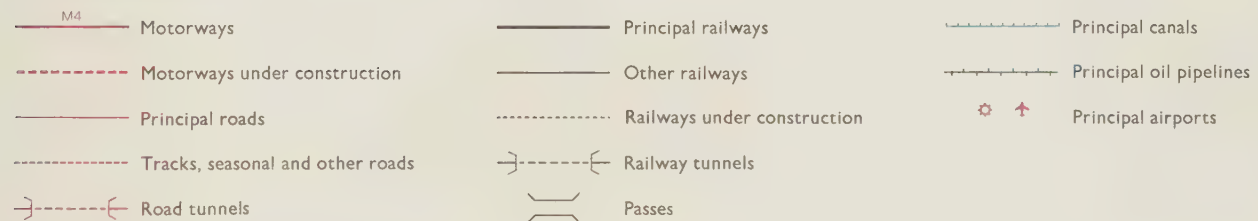
The settlement symbols and their related type are decided upon by the population of the town or city for each area mapped. These limits vary from one map to another so the population size for each group is not given in this table.

## Administration



International boundaries are drawn to show the 'de facto' situation where there are rival claims to territory.

## Communications



## Hydrology



## Relief



The coloured height reference is repeated on the edge of the page.

▲ 4507 Height above sea level in metres ▼ 1710 Depth below sea level in metres 1134 Height of lakes

Abbreviations of measures used: mm {Millimetres; Millimeters} m {Metres; Meters} km {Kilometres; Kilometers} mb Millibars; tons Metric Tonnes; M.S.L. Mean Sea Level



## 2 THE EVOLUTION OF THE CONTINENTS

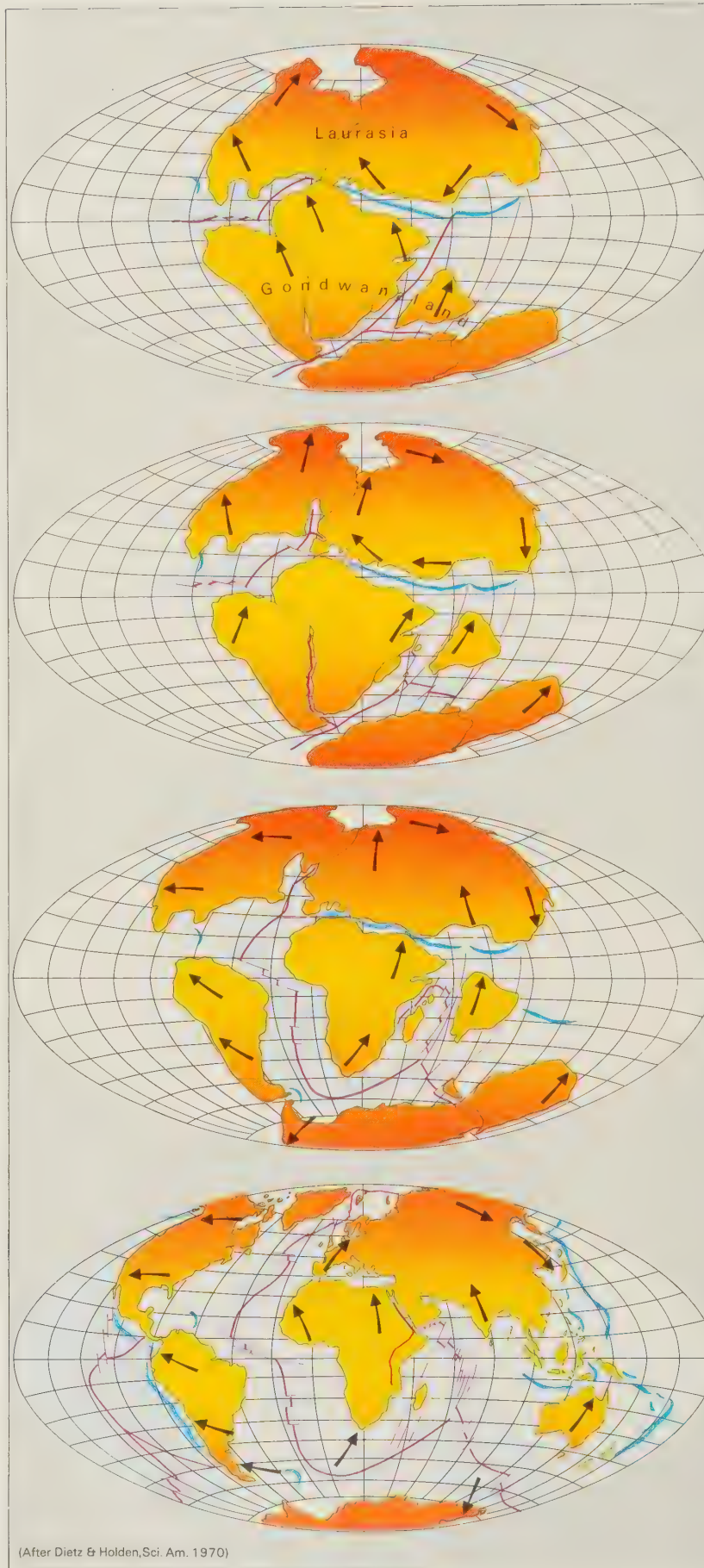
The origin of the earth is still open to much conjecture although the most widely accepted theory is that it was formed from a solar cloud consisting mainly of hydrogen. Under gravitation the cloud condensed and shrank to form our planets orbiting around the sun. Gravitation forced the lighter elements to the surface of the earth where they cooled to form a crust while the inner material remained hot and molten. Earth's first rocks formed over 3500 million years ago but since then the surface has been constantly altered.

Until comparatively recently the view that the primary units of the earth had remained essentially fixed throughout geological time was regarded as common sense, although the concept of moving continents has been traced back to references in the Bible of a break up of the land after Noah's floods. The continental drift theory was first developed by Antonio Snider in 1858 but probably the most important single advocate was Alfred Wegener who, in 1915, published evidence from geology, climatology and biology. His conclusions are very similar to those reached by current research although he was wrong about the speed of break-up.

The measurement of fossil magnetism found in rocks has probably proved the most influential evidence. While originally these drift theories were openly mocked, now they are considered standard doctrine.

### The jigsaw

As knowledge of the shape and structure of the earth's surface grew, several of the early geographers noticed the great similarity in shape of the coasts bordering the Atlantic. It was this remarkable similarity which led to the first detailed geological and structural comparisons. Even more accurate fits can be made by placing the edges of the continental shelves in juxtaposition.



### 180 million years ago.

The original Pangaea land mass had split into two major continental groups. The southern group, Gondwanaland, had itself started to break up, India and Antarctica-Australia becoming isolated. A rift had begun to appear between South America and Africa and, in the East, Africa was closing up the Tethys Sea.

### 135 million years ago.

Both Gondwanaland and Laurasia continued to drift northwards but the widening of the splits in the North Atlantic and Indian Oceans persisted. The South Atlantic rift continued to lengthen and a further perpendicular rift appeared which will eventually separate Greenland from North America. India continues heading northward towards Asia.

### 65 million years ago.

South America, completely separated from Africa, moved quickly north and westwards. Madagascar broke free from Africa but, as yet, there is no sign of the Red Sea Rift which will split Africa from the Arabian Peninsula. The Mediterranean sea is recognizable. In the south, Australia is still connected to Antarctica.

### Today.

India has moved northwards and is colliding with Asia, crumpling up the sediments to form the folded mountain range of the Himalayas. South America has rotated and moved west to connect with North America. Australia has separated from Antarctica.

— Trench  
— Rift  
— New Ocean Floor  
— Zones of slippage

(After Dietz & Holden, Sci. Am. 1970)



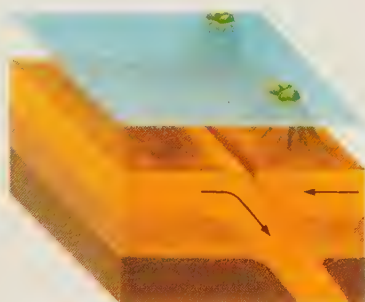
### Plate tectonics

The original debate about continental drift was only a prelude to a more radical idea; plate tectonics. The basic theory is that the earth's crust is made up of a series of rigid plates which float on a soft layer of the mantle and are moved about by convection currents in the earth's interior. These plates converge and diverge along margins marked by earthquakes, volcanoes and other seismic activity. Plates diverge from mid-ocean ridges where molten lava pushes upwards and forces the plates apart at a rate of up to 40 mm a year. Converging plates form either a trench, where the oceanic plate sinks below the lighter continental rock, or mountain ranges where two continents collide. This explains the paradox that while there have always been oceans none of the present oceans contain sediments more than 150 million years old.



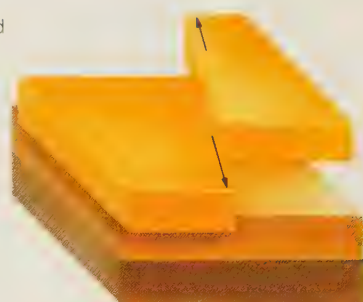
### Trench boundary

The present explanation for the comparative youth of the ocean floors is that where an ocean and a continent meet the ocean plate dips under the less dense continental plate at an angle of approximately  $45^\circ$ . All previous crust is then ingested by downward convection currents. In the Japanese trench this occurs at a rate of about 120 mm a year.



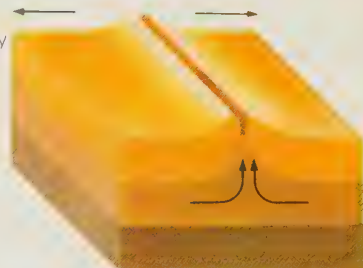
### Transform fault

The recent identification of the transform, or transverse, fault proved to be one of the crucial preliminaries to the investigation of plate tectonics. They occur when two plates slip alongside each other without parting or approaching to any great extent. They complete the outline of the plates delineated by the ridges and trenches and demonstrate large scale movements of parts of the earth's surface.



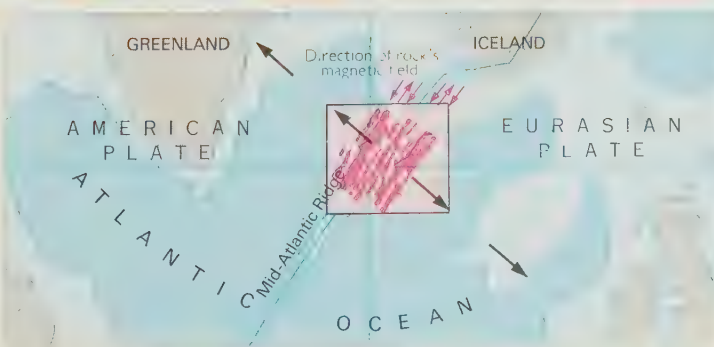
### Ridge boundary

Ocean rises or crests are basically made up from basaltic lavas for although no gap can exist between plates, one plate can ease itself away from another. In that case hot, molten rock instantly rises from below to fill in the incipient rift and forms a ridge. These ridges trace a line almost exactly through the centre of the major oceans.



### Destruction of ocean plates.

As the ocean plate sinks below the continental plate some of the sediment on its surface is scraped off and piled up on the landward side. This sediment is later incorporated in a folded mountain range which usually appears on the edge of the continent, such as the Andes. Similarly if two continents collide the sediments are squeezed up into new mountains.



### Sea floor spreading

Reversals in direction of the earth's magnetic field have occurred throughout history. As molten rock emerges at the ocean ridges it cools and is magnetised in the direction of the earth's magnetic field. By mapping the ocean floor across the ridge a striped pattern of solidified rock magnetised in alternate directions is produced (see inset area). As the dates of the last few reversals are known the rate of spreading can be calculated (40mm per year in the North Atlantic).

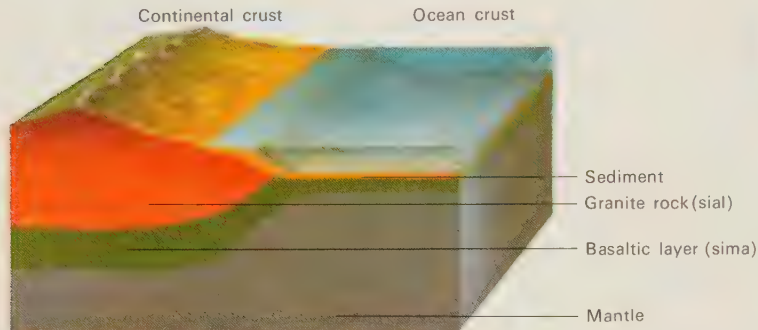
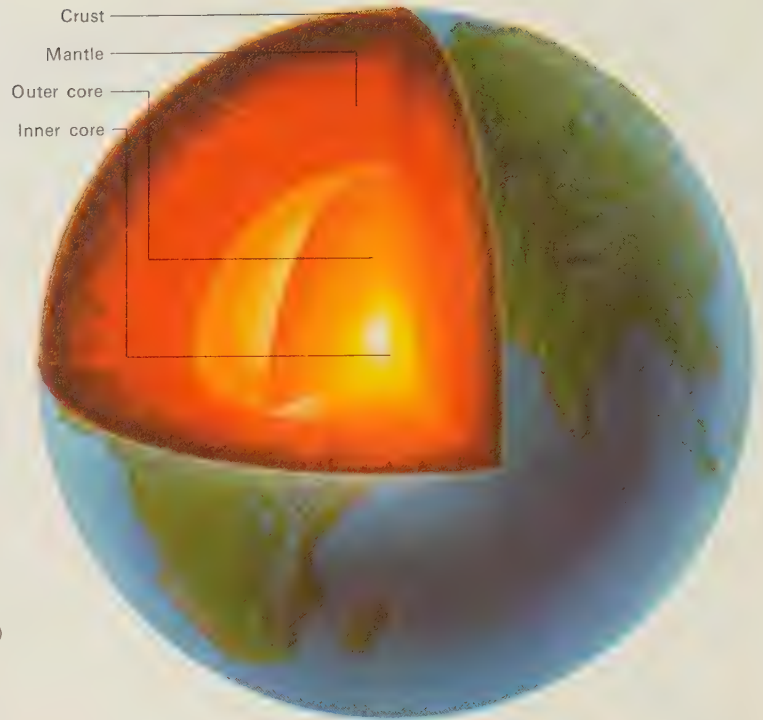


## 4 THE UNSTABLE EARTH

The earth's surface is slowly but continually being rearranged. Some changes such as erosion and deposition are extremely slow but they upset the balance which causes other more abrupt changes often originating deep within the earth's interior. The constant movements vary in intensity, often with stresses building up to a climax such as a particularly violent volcanic eruption or earthquake.

### The crust (below and right)

The outer layer or crust of the earth consists of a comparatively low density, brittle material varying from 5 km to 50 km deep beneath the continents. This consists predominately of silica and aluminium; hence it is called 'sial'. Extending under the ocean floors and below the sial is a basaltic layer known as 'sima', consisting mainly of silica and magnesium



### Volcanoes (right, below and far right)

Volcanoes occur when hot liquefied rock beneath the crust reaches the surface as lava. An accumulation of ash and cinders around a vent forms a cone. Successive layers of thin lava flows form an acid lava volcano while thick lava flows form a basic lava volcano. A caldera forms when a particularly violent eruption blows off the top of an already existing cone.



### The mantle (above)

Immediately below the crust, at the Mohorovicic discontinuity line, there is a distinct change in density and chemical properties. This is the mantle - made up of iron and magnesium silicates - with temperatures reaching 1 600 °C. The rigid upper mantle extends down to a depth of about 1 000 km below which is the more viscous lower mantle which is about 1 900 km thick.

### The core (above)

The outer core, approximately 2 100 km thick, consists of molten iron and nickel at 2 000 °C to 5 000 °C possibly separated from the less dense mantle by an oxidised shell. About 5 000 km below the surface is the liquid transition zone, below which is the solid inner core, a sphere of 2 740 km diameter where rock is three times as dense as in the crust.

### Shield volcano



### Cinder cone



### Hornit cone



### Caldera



### Volcanoes and structure

- Volcanoes
- Sea floor spreading centre
- Ocean trench
- Continental shelf

### Structure

- After L. Kober and others
- Pre-Cambrian
- Caledonian folding
- Hercynian folding
- Tertiary folding
- Great Rift Valley
- /// Main trend lines

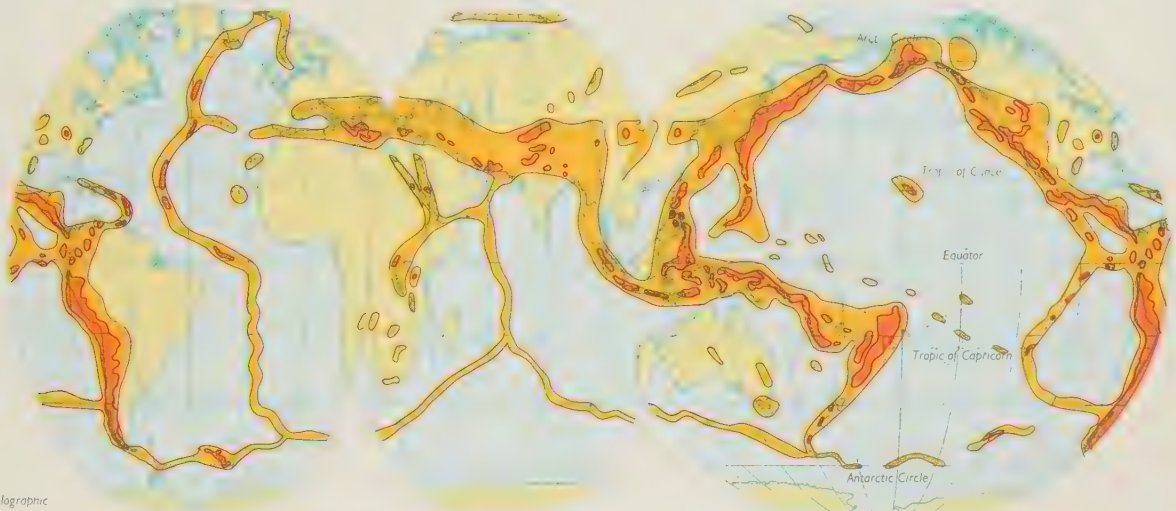


### Major earthquakes in the last 100 years and numbers killed

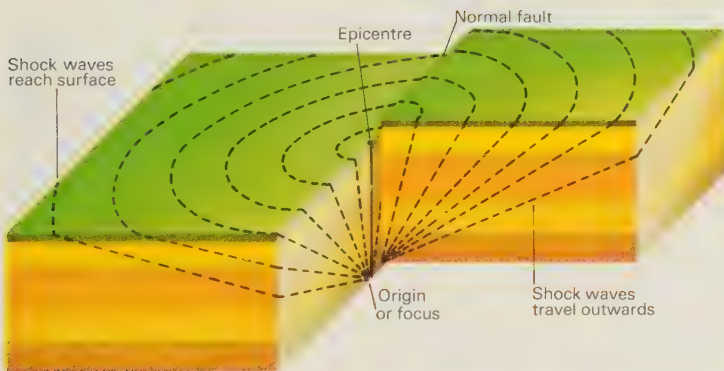
|                        |           |                          |           |                          |        |                          |           |
|------------------------|-----------|--------------------------|-----------|--------------------------|--------|--------------------------|-----------|
| 1896 Japan (tsunami)   | 22 000    | 1923 Japan, Tokyo        | 143 000   | 1939/40 Turkey, Erzincan | 30 000 | 1966 U.S.S.R., Tashkent  | destroyed |
| 1906 San Francisco     | destroyed | 1930 Italy, Naples       | 2 100     | 1948 Japan, Fukui        | 5 100  | 1970 N. Peru             | 66 800    |
| 1906 Chile, Valparaiso | 22 000    | 1931 New Zealand, Napier | destroyed | 1956 N. Afghanistan      | 2 000  | 1974 N. Pakistan         | 10 000    |
| 1908 Italy, Messina    | 77 000    | 1931 Nicaragua, Managua  | destroyed | 1957 W. Iran             | 10 000 | 1976 China, Tangshan     | 650 000   |
| 1920 China, Kansu      | 180 000   | 1932 China, Kansu        | 70 000    | 1960 Morocco, Agadir     | 12 000 | 1978 Iran, Tabas         | 11 000    |
|                        |           | 1935 India, Quetta       | 60 000    | 1962 N.W. Iran           | 10 000 | 1980 Algeria, El Asnam   | 20 000    |
|                        |           | 1939 Chile, Chillan      | 20 000    | 1963 Yugoslavia, Skopje  | 1 000  | 1985 Mexico City, Mexico | 20 000    |

### World distribution of earthquakes

- Major earthquake zones
- Areas experiencing frequent earthquakes



Projection: Interrupted Mollweide's Homolographic



### Earthquakes (right and above)

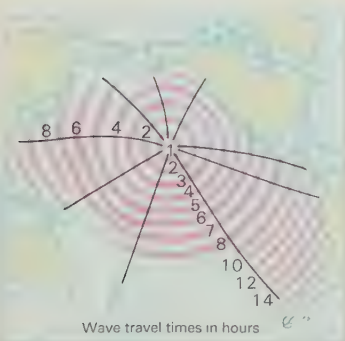
Earthquakes are a series of rapid vibrations originating from the slipping or faulting of parts of the earth's crust when stresses within build up to breaking point. They usually happen at depths varying from 8 km to 30 km. Severe earthquakes cause extensive damage when they take place in populated areas destroying structures and severing communications. Most loss of life occurs due to secondary causes i.e. falling masonry, fires or tsunami waves.



Alaskan earthquake, 1964

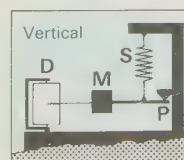
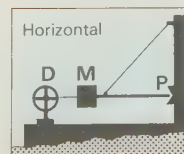
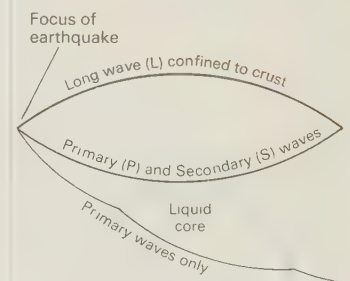
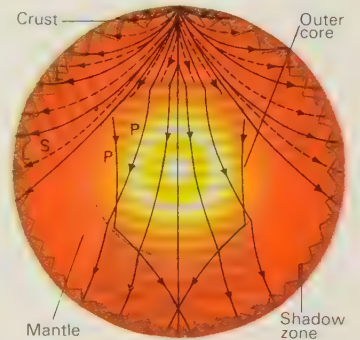
### Tsunami waves (left)

A sudden slump in the ocean bed during an earthquake forms a trough in the water surface subsequently followed by a crest and smaller waves. A more marked change of level in the sea bed can form a crest, the start of a Tsunami which travels up to 600 km/h with waves up to 60 m high. Seismographic detectors continuously record earthquake shocks and warn of the Tsunami which may follow it.

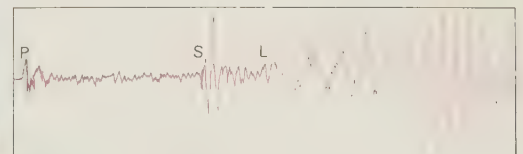


### Seismic Waves (right)

The shock waves sent out from the focus of an earthquake are of three main kinds each with distinct properties. Primary (P) waves are compressional waves which can be transmitted through both solids and liquids and therefore pass through the earth's liquid core. Secondary (S) waves are shear waves and can only pass through solids. They cannot pass through the core and are reflected at the core-mantle boundary taking a concave course back to the surface. The core also refracts the P waves causing them to alter course, and the net effect of this reflection and refraction is the production of a shadow zone at a certain distance from the epicentre, free from P and S waves. Due to their different properties P waves travel about 1.7 times faster than S waves. The third main kind of wave is a long (L) wave, a slow wave which travels along the earth's surface, its motion being either horizontal or vertical



Principles of seismographs (left)  
M = Mass  
D = Drum  
P = Pivot  
S = Spring



**Seismographs** are delicate instruments capable of detecting and recording vibrations due to earthquakes thousands of kilometres away. P waves cause the first tremors. S the second, and L the main shock



**Its surface**

|                                                                           |                       |
|---------------------------------------------------------------------------|-----------------------|
| Highest point on the earth's surface: Mt. Everest, Tibet - Nepal boundary | 8 848 m               |
| Lowest point on the earth's surface: The Dead Sea, Jordan                 | below sea level 395 m |
| Greatest ocean depth, Challenger Deep, Mariana Trench                     | 11 022 m              |
| Average height of land                                                    | 840 m                 |
| Average depth of seas and oceans                                          | 3 808 m               |

**Dimensions**

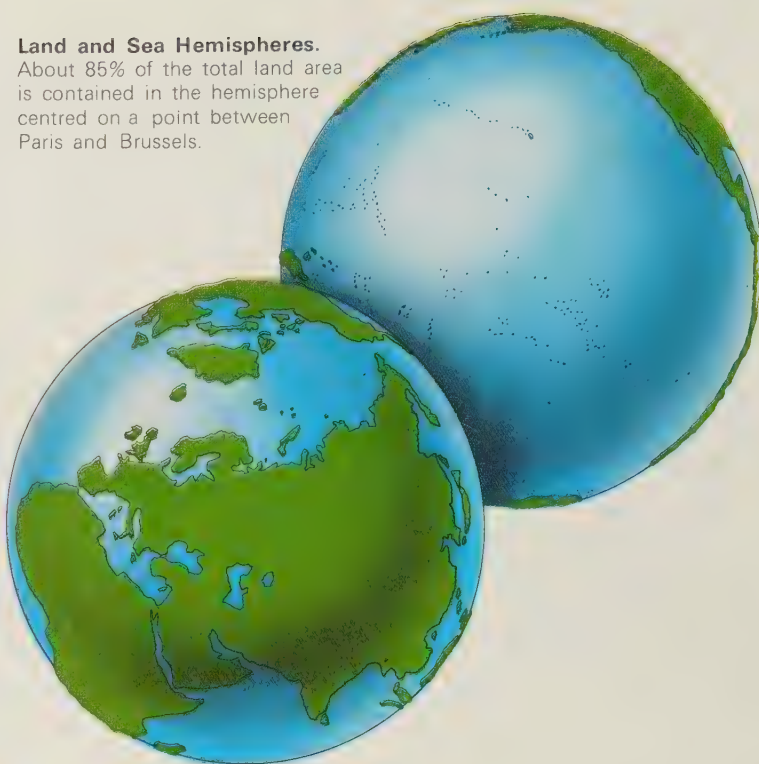
|                                  |                                             |
|----------------------------------|---------------------------------------------|
| Superficial area                 | 510 000 000 km <sup>2</sup>                 |
| Land surface                     | 149 000 000 km <sup>2</sup>                 |
| Land surface as % of total area  | 29,2 %                                      |
| Water surface                    | 361 000 000 km <sup>2</sup>                 |
| Water surface as % of total area | 70,8 %                                      |
| Equatorial circumference         | 40 077 km                                   |
| Meridional circumference         | 40 009 km                                   |
| Equatorial diameter              | 12 756,8 km                                 |
| Polar diameter                   | 12 713,8 km                                 |
| Equatorial radius                | 6 378,4 km                                  |
| Polar radius                     | 6 356,9 km                                  |
| Volume of the Earth              | 1 083 230 x 10 <sup>6</sup> km <sup>3</sup> |
| Mass of the Earth                | 5,9 x 10 <sup>21</sup> tonnes               |

**The Figure of Earth**

An imaginary sea-level surface is considered and called a geoid. By measuring at different places the angles from plumb lines to a fixed star there have been many determinations of the shape of parts of the geoid which is found to be an oblate spheroid with its axis along the axis of rotation of the earth. Observations from satellites have now given a new method of more accurate determinations of the figure of the earth and its local irregularities.

**Land and Sea Hemispheres.**

About 85% of the total land area is contained in the hemisphere centred on a point between Paris and Brussels.

**Oceans and Seas**  
**Area in 1000 km<sup>2</sup>**

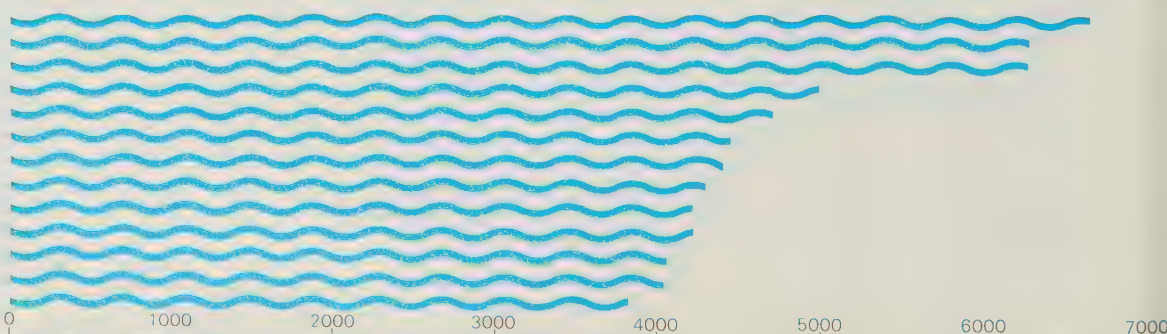
|                   |         |                             |     |
|-------------------|---------|-----------------------------|-----|
| Pacific Ocean     | 165 721 | North Sea                   | 575 |
| Atlantic Ocean    | 81 660  | Black Sea                   | 448 |
| Indian Ocean      | 73 442  | Red Sea                     | 440 |
| Arctic Ocean      | 14 351  | Baltic Sea                  | 422 |
| Mediterranean Sea | 2 966   | The Gulf                    | 238 |
| Bering Sea        | 2 274   | St. Lawrence, Gulf of       | 236 |
| Caribbean Sea     | 1 942   | English Channel & Irish Sea | 179 |
| Mexico, Gulf of   | 1 813   | California, Gulf of         | 161 |
| Okhotsk, Sea of   | 1 528   |                             |     |
| East China Sea    | 1 248   |                             |     |
| Hudson Bay        | 1 230   |                             |     |
| Japan, Sea of     | 1 049   |                             |     |

**Lakes and Inland Seas**  
**Areas in 1000 km<sup>2</sup>**

|                             |       |                                |      |
|-----------------------------|-------|--------------------------------|------|
| Caspian Sea, Asia           | 424,2 | Lake Ontario, N.America        | 19,5 |
| Lake Superior, N.America    | 82,4  | Lake Ladoga, Europe            | 18,4 |
| Lake Victoria, Africa       | 69,5  | Lake Balkhash, Asia            | 17,3 |
| Aral Sea (Salt), Asia       | 63,8  | Lake Maracaibo, S.America      | 16,3 |
| Lake Huron, N.America       | 59,6  | Lake Onega, Europe             | 9,8  |
| Lake Michigan, N.America    | 58,0  | Lake Eyre (Salt), Australia    | 9,6  |
| Lake Tanganyika, Africa     | 32,9  | Lake Turkana (Salt), Africa    | 9,1  |
| Lake Baikal, Asia           | 31,5  | Lake Titicaca, S.America       | 8,3  |
| Great Bear Lake, N.America  | 31,1  | Lake Nicaragua, C.America      | 8,0  |
| Great Slave Lake, N.America | 28,9  | Lake Athabasca, N.America      | 7,9  |
| Lake Malawi, Africa         | 28,5  | Reindeer Lake, N.America       | 6,3  |
| Lake Erie, N.America        | 25,7  | Issyk-Kul, Asia                | 6,2  |
| Lake Winnipeg, N.America    | 24,3  | Lake Torrens (Salt), Australia | 6,1  |
| Lake Chad, Africa           | 20,7  | Koko Nor (Salt), Asia          | 6,0  |
|                             |       | Lake Urmia, Asia               | 6,0  |
|                             |       | Vänern, Europe                 | 5,6  |

**Longest rivers**

|                                 |       |
|---------------------------------|-------|
|                                 | km.   |
| Nile, Africa                    | 6 690 |
| Amazon, S.America               | 6 280 |
| Mississippi-Missouri, N.America | 6 270 |
| Yangtze, Asia                   | 4 990 |
| Zaire, Africa                   | 4 670 |
| Amur, Asia                      | 4 410 |
| Hwang Ho (Yellow), Asia         | 4 350 |
| Lena, Asia                      | 4 260 |
| Mekong, Asia                    | 4 180 |
| Niger, Africa                   | 4 180 |
| Mackenzie, N.America            | 4 040 |
| Ob, Asia                        | 4 000 |
| Yenisei, Asia                   | 3 800 |

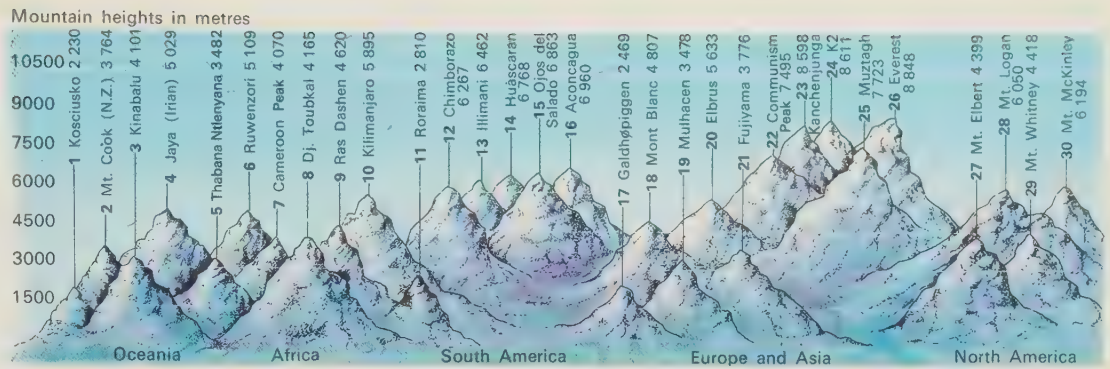




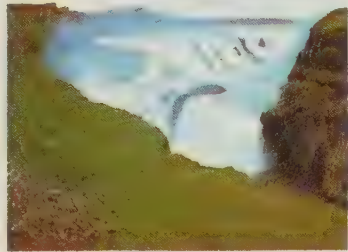
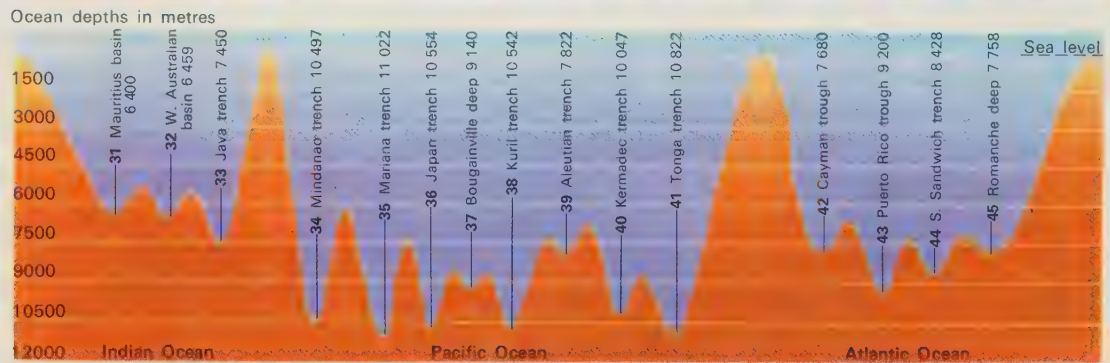
## The Highest Mountains and The Greatest Depths

Mount Everest defied the world's greatest mountaineers for many years and in 1953 the first successful attempt was made. The world's highest mountains have now been climbed but there are many as yet unexplored in the Himalaya.

The greatest depths are the ocean trenches representing less than 2% of the total area of the sea-bed. They are of great interest as lines of structural weakness in the earth's crust where earthquakes are frequent.



High mountains in the Himalaya



Waterfall in Iceland

| Highest Waterfalls        | height in metres |
|---------------------------|------------------|
| Angel, Venezuela          | 980              |
| Tugela, South Africa      | 853              |
| Yosemite, California      | 738              |
| Mardalsfossen, Norway     | 655              |
| Sutherland, New Zealand   | 579              |
| Reichenbach, Switzerland  | 548              |
| Wollomombi, Australia     | 518              |
| Ribbon, California        | 491              |
| Gavarnie, France          | 422              |
| Tyssefallene, Norway      | 414              |
| Krimml, Austria           | 370              |
| King George VI, Guyana    | 366              |
| Silver Strand, California | 356              |

| Highest Dams                  | height in metres |
|-------------------------------|------------------|
| <b>Africa</b>                 |                  |
| Cabora Bassa, Zambezi R.      | 168              |
| Akosombo Main Dam, Volta R.   | 141              |
| <b>Asia</b>                   |                  |
| Nurek, Vakhsh R., U.S.S.R.    | 317              |
| Bhakra, Sutlej R., India      | 226              |
| <b>Europe</b>                 |                  |
| Grand Dixence, Switzerland    | 284              |
| Vajont, Vajont R., Italy      | 261              |
| <b>America</b>                |                  |
| Oroville, Feather R.          | 235              |
| Hoover, Colorado R.           | 221              |
| <b>Australasia</b>            |                  |
| Warragamba, N.S.W., Australia | 137              |



Dam in Switzerland

## The World: Physical



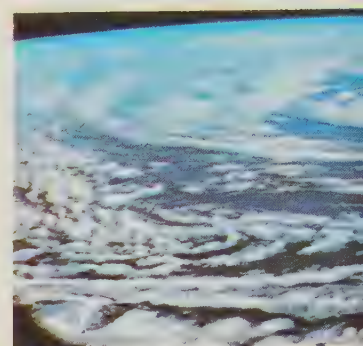
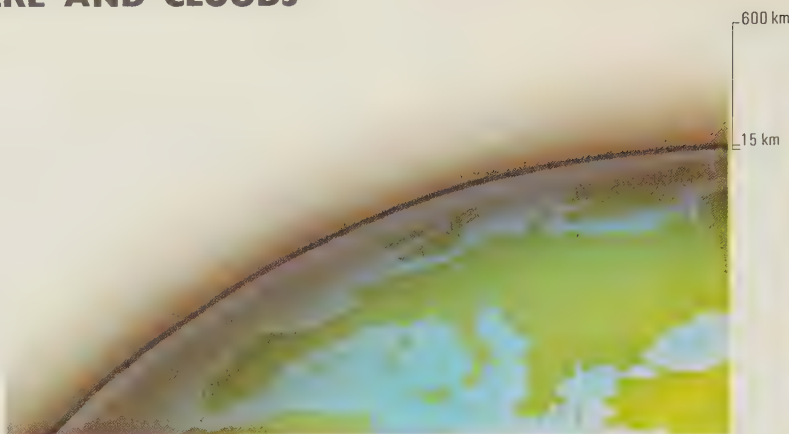
Projection Hammer Equal Area

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## Earth's thin coating (right)

The atmosphere is a blanket of protective gases around the earth providing insulation against otherwise extreme alternations in temperature. The gravitational pull increases the density nearer the earth's surface so that 80% of the atmospheric mass is in the first 15 km. It is a very thin layer in comparison with the earth's diameter of 12 680 km, like the cellulose coating on a globe.



## Exosphere(1)

The exosphere merges with the interplanetary medium and although there is no definite boundary with the ionosphere it starts at a height of about 600 km. The rarified air mainly consists of a small amount of atomic oxygen up to 600 km and equal proportions of hydrogen and helium with hydrogen predominating above 2 400 km.

## Ionosphere(2)

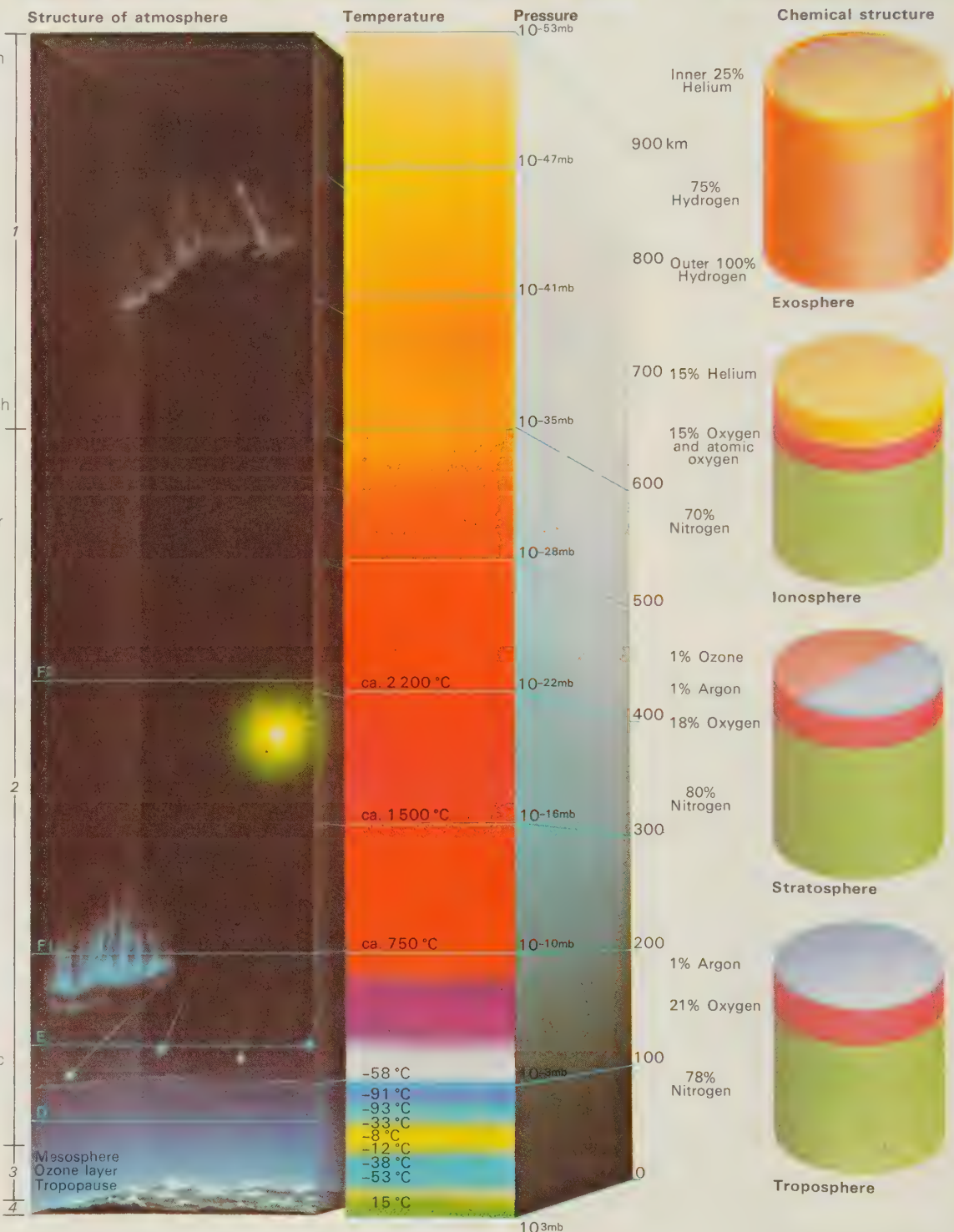
Air particles of the ionosphere are electrically charged by the sun's radiation and congregate in four main layers, D, E, F1 and F2, which can reflect radio waves. Aurorae, caused by charged particles deflected by the earth's magnetic field towards the poles, occur between 65 km and 965 km above the earth. It is mainly in the lower ionosphere that meteors from outer space burn up as they meet increased air resistance.

## Stratosphere(3)

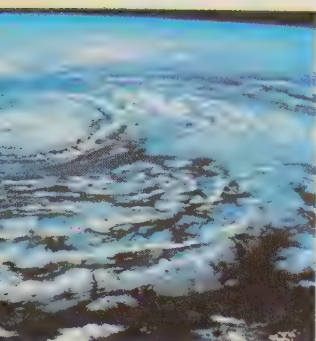
A thin layer of ozone contained within the stratosphere absorbs ultra-violet light and in the process gives off heat. The temperature ranges from about -55°C at the tropopause to about -60°C in the upper part, known as the mesosphere, with a rise to about 2°C just above the ozone layer. This portion of the atmosphere is separated from the lower layer by the tropopause.

## Troposphere(4)

The earth's weather conditions are limited to this layer which is relatively thin, extending upwards to about 8 km at the poles and 15 km at the equator. It contains about 85% of the total atmospheric mass and almost all the water vapour. Air temperature falls steadily with increased height at about 1°C for every 100 metres above sea level.







### Pacific Ocean

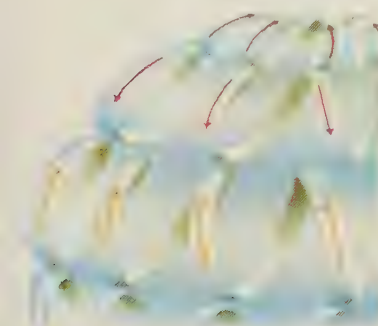
Cloud patterns over the Pacific show the paths of prevailing winds.

### Circulation of the air



### Circulation of the air

Owing to high temperatures in equatorial regions the air near the ground is heated, expands and rises producing a low pressure belt. It cools, causing rain, spreads out then sinks again about latitudes 30° north and south forming high pressure belts.



High and low pressure belts are areas of comparative calm but between them, blowing from high to low pressure, are the prevailing winds. These are deflected to the right in the northern hemisphere and to the left in the southern hemisphere (Coriolis effect). The circulations appear in three distinct belts with a seasonal movement north and south following the overhead sun.

### Cloud types

Clouds form when damp air is cooled, usually by rising. This may happen in three ways: when a wind rises to cross hills or mountains; when a mass of air rises over, or is pushed up by another mass of denser air; when local heating of the ground causes convection currents.

**Cirrus (1)** are detached clouds composed of microscopic ice crystals which gleam white in the sun resembling hair or feathers. They are found at heights of 6 000 to 12 000 metres.

**Cirrostratus (2)** are a whitish veil of cloud made up of ice crystals through which the sun can be seen often producing a halo of bright light.

**Cirrocumulus (3)** is another high altitude cloud formed by turbulence between layers moving in different directions.

**Altostratus (4)** is a grey or bluish striated, fibrous or uniform sheet of cloud producing light drizzle.

**Alto cumulus (5)** is a thicker and fluffier version of cirro cumulus, it is a white and grey patchy sheet of cloud.

**Nimbostratus (6)** is a dark grey layer of cloud obscuring the sun and causing almost continuous rain or snow.

**Cumulus (7)** are detached heaped up, dense low clouds. The sunlit parts are brilliant white while the base is relatively dark and flat.

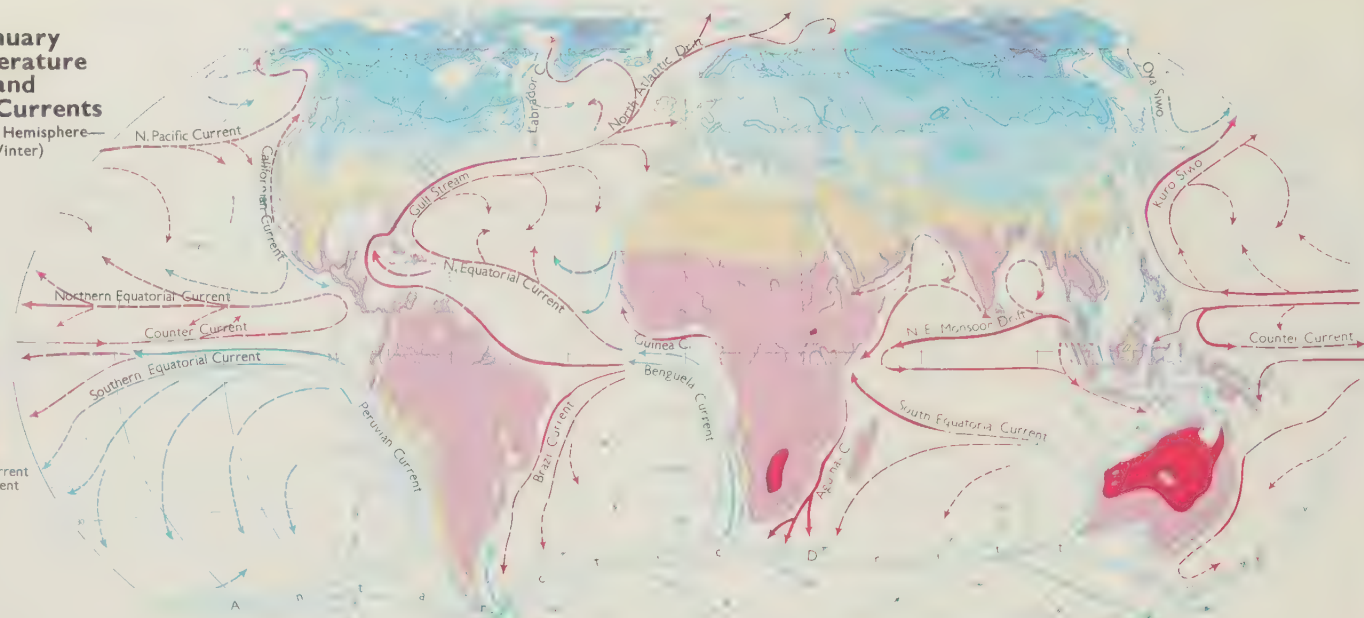
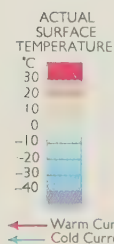
**Stratus (8)** forms dull overcast skies associated with depressions and occurs at low altitudes up to 1500 metres.

**Cumulonimbus (9)** are heavy and dense clouds associated with storms and rain. They have flat bases and a fluffy outline extending up to great altitudes.

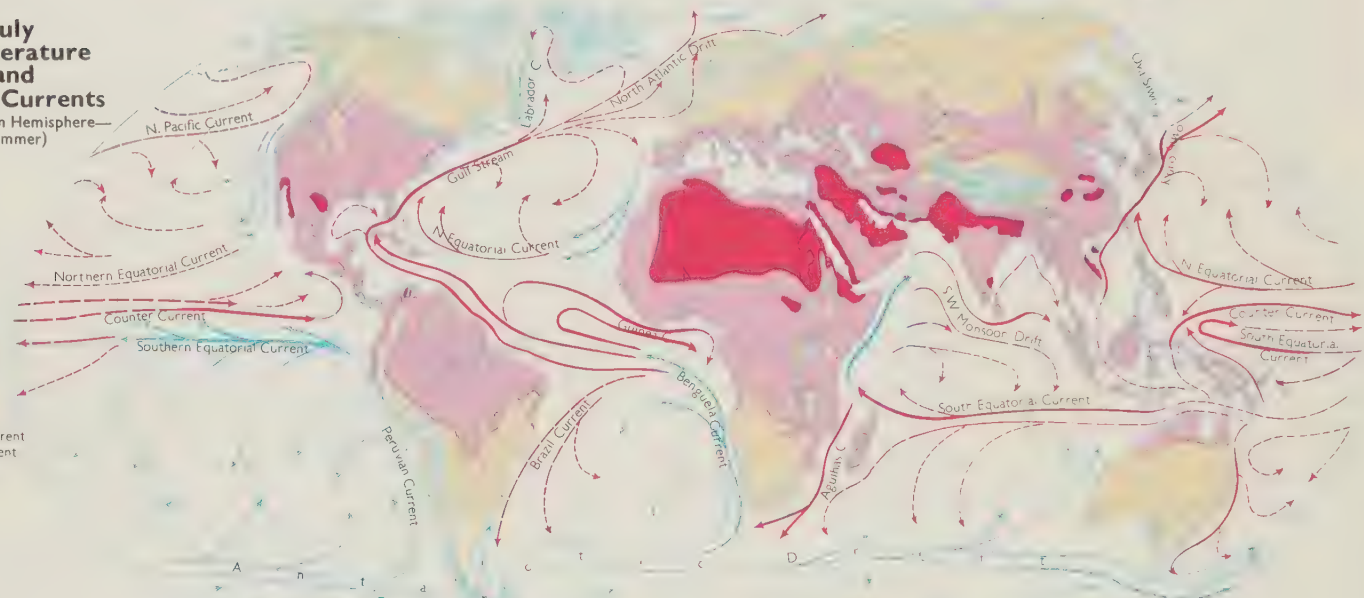
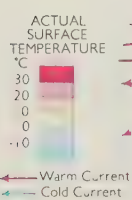




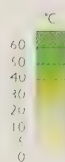
**January  
Temperature  
and  
Ocean Currents**  
(Northern Hemisphere—  
Winter)



**July  
Temperature  
and  
Ocean Currents**  
(Northern Hemisphere—  
Summer)



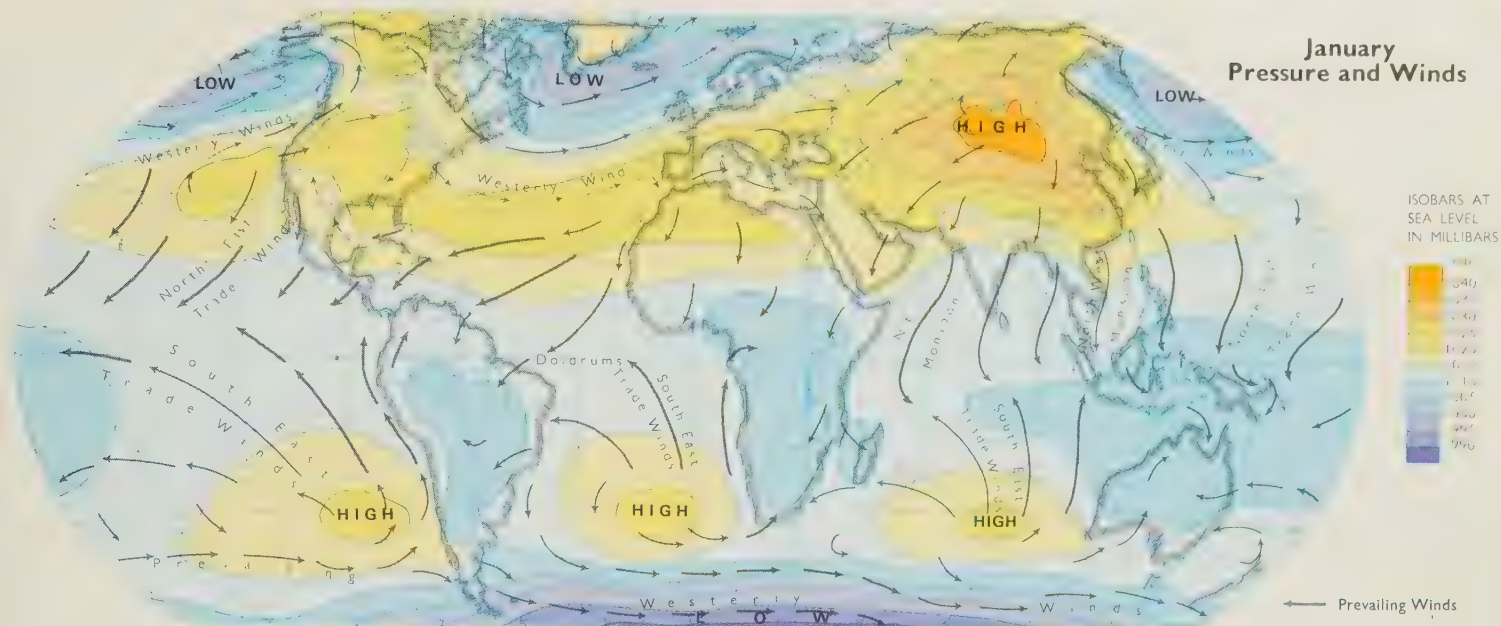
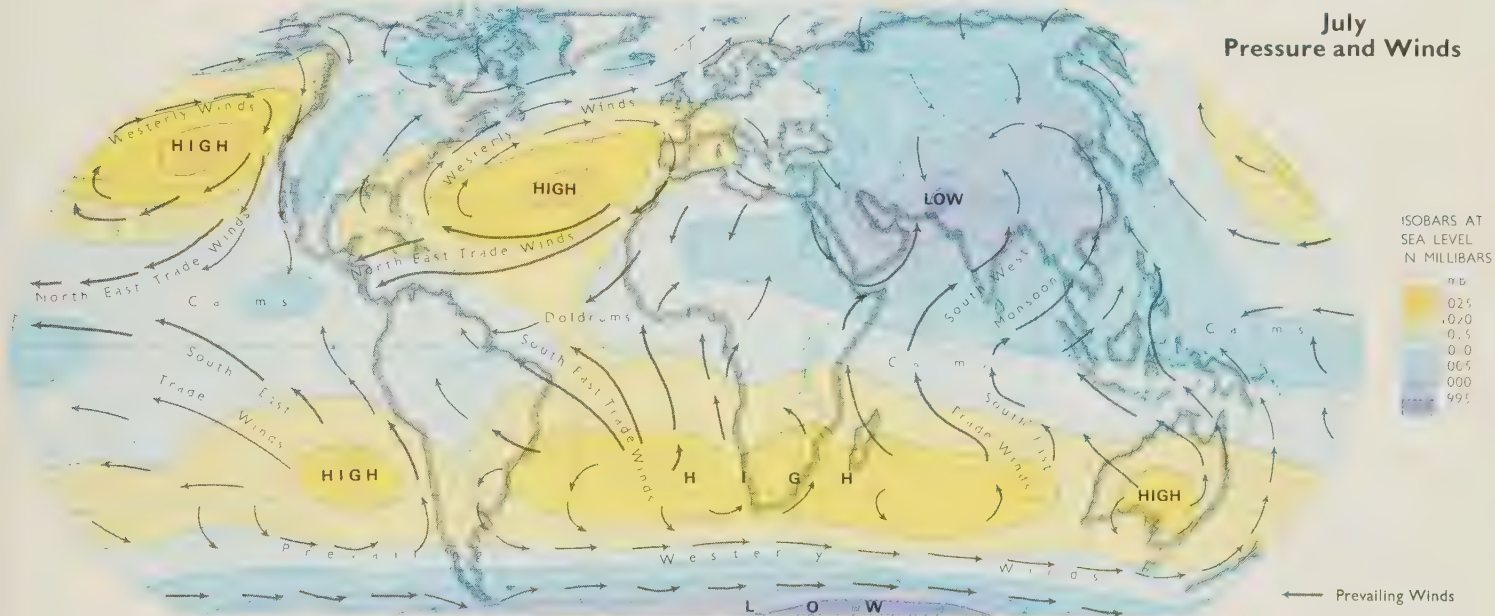
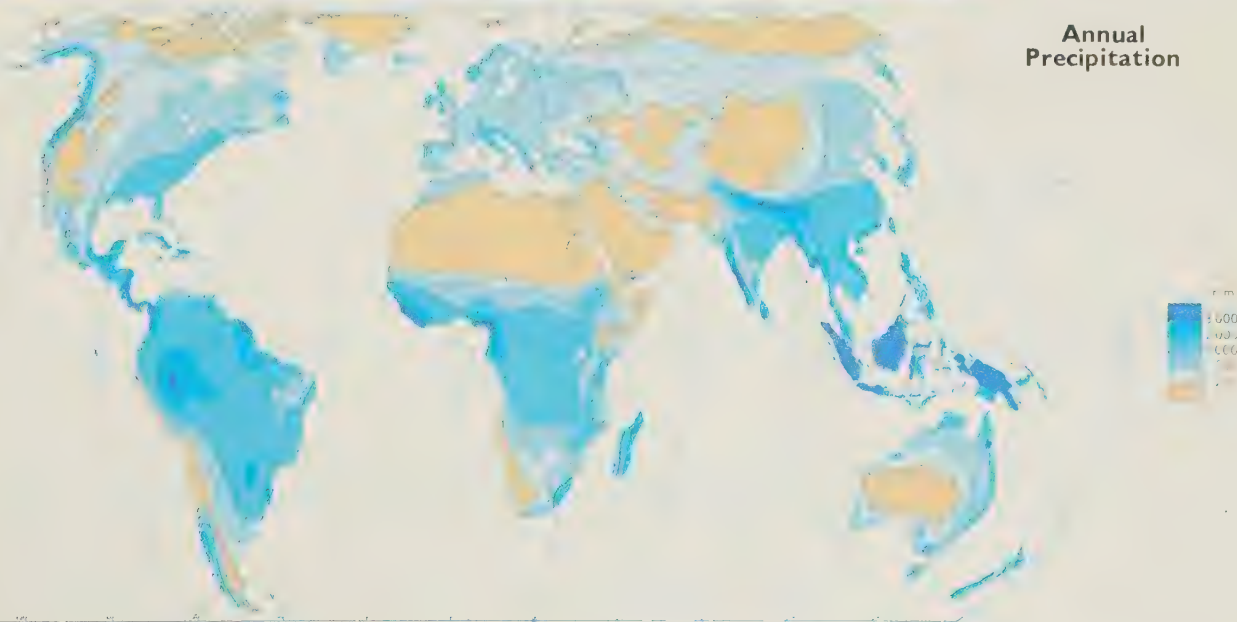
**Annual Range  
of  
Temperature**



The annual range of temperature is the difference in degrees Celsius between the warmest and coldest months of the year

Projection: Hammer Equal Area



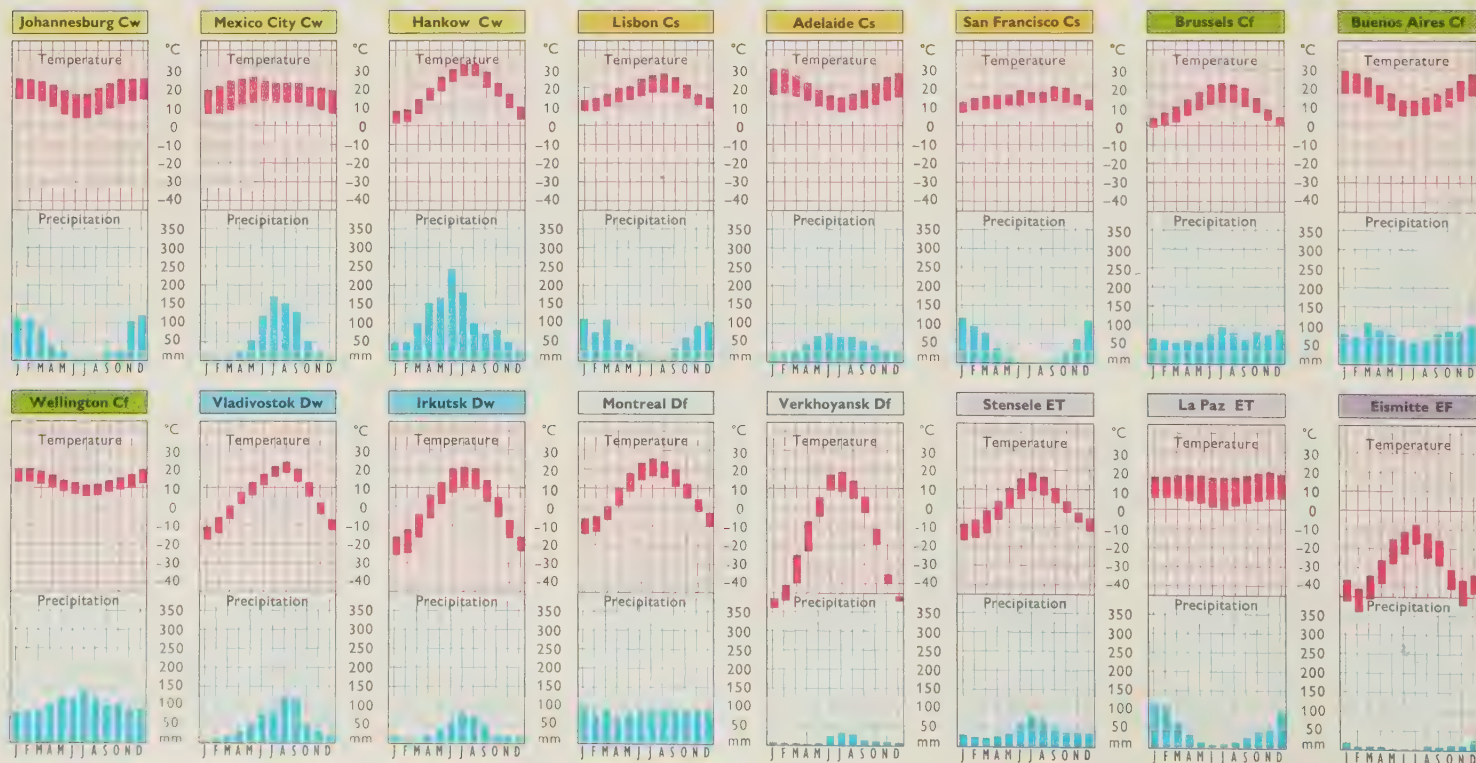
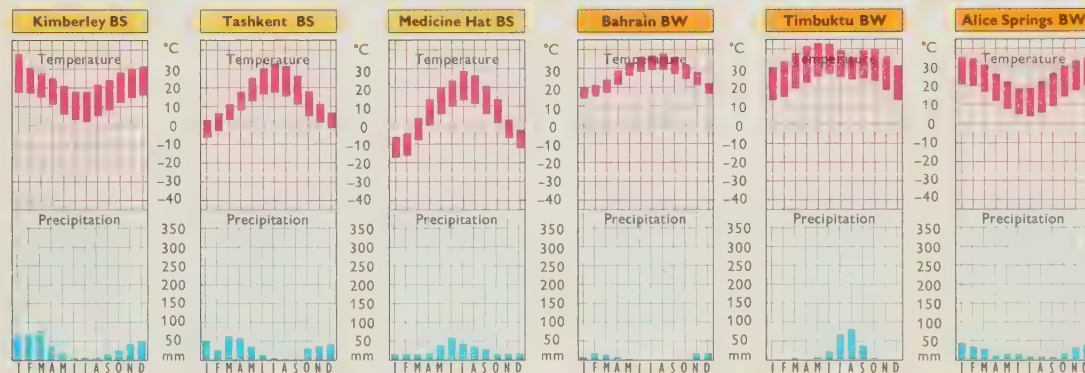
**January  
Pressure and Winds****July  
Pressure and Winds****Annual  
Precipitation**



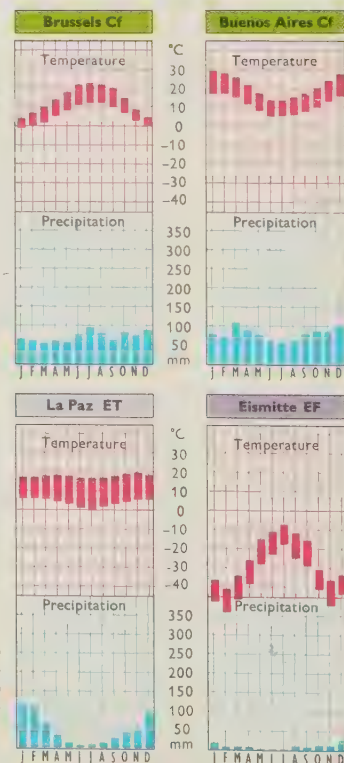
All weather occurs over the earth's surface in the lowest level of the atmosphere, the troposphere. Weather has been defined as the condition of the atmosphere at any place at a specific time with respect to the various elements: temperature, sunshine, pressure, winds, clouds, fog, precipitation. Climate, on the other hand, is the average of weather elements over previous months and years

## Climate graphs right

Each graph typifies the climatic conditions experienced in the related coloured region on the map. The red columns show the mean monthly temperature range; the upper limit is the mean monthly maximum and the lower limit the mean monthly minimum. From these the mean monthly median temperature can be determined as the mid-point of the column. The blue columns show the average monthly rainfall.



Af Equatorial forest  
Am Monsoon forest  
Aw Savanna  
Tropical climates  
Af Am Aw









## Water resources and vegetation

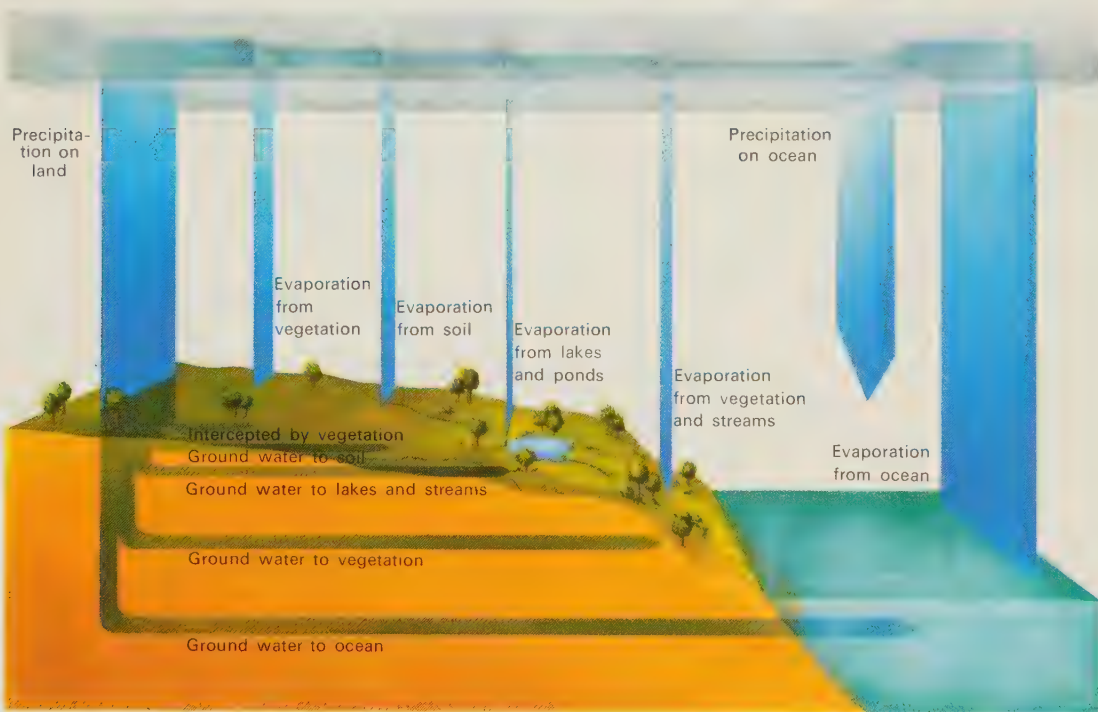
Fresh water is essential for life on earth and in some parts of the world it is a most precious commodity. On the other hand it is very easy for industrialised temperate states to take its existence for granted, and man's increasing demand may only be met finally by the desalination of earth's 1250 million cubic kilometres of salt water. 70% of the earth's fresh water exists as ice

## Distribution of water

Oceans and seas 97.29%  
Ice caps and glaciers 2.09%  
Underground aquifers 0.6054%  
Lakes and rivers 0.0136%  
Atmosphere 0.00094%  
Biosphere 0.00004%

## The hydrological cycle

Water is continually being absorbed into the atmosphere as vapour from oceans, lakes, rivers and vegetation transpiration. On cooling the vapour either condenses or freezes and falls as rain, hail or snow. Most precipitation falls over the sea but one quarter falls over the land of which half evaporates again soon after falling while the rest flows back into the oceans.



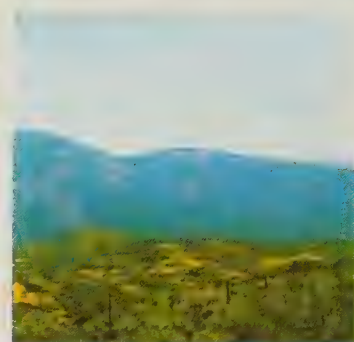
## Domestic consumption of water

An area's level of industrialisation, climate and standard of living are all major influences in the consumption of water. On average Europe consumes 636 litres per head each day of which 180 litres is used domestically. In the U.S.A domestic consumption is slightly higher at 270 litres per day. The graph (right) represents domestic consumption in the U.K. in 1970.

Drinking and eating 3%  
Garden 5%  
Laundry 9%  
Dishwashing 10%  
Waste in distribution 13%  
Personal hygiene 30%  
Toilet 32%



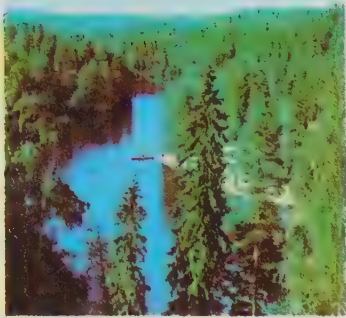
Tundra



Mediterranean scrub







Coniferous forest



Broad-leaved forest



Tropical rain forest



Monsoon forest



Grassland



Savanna















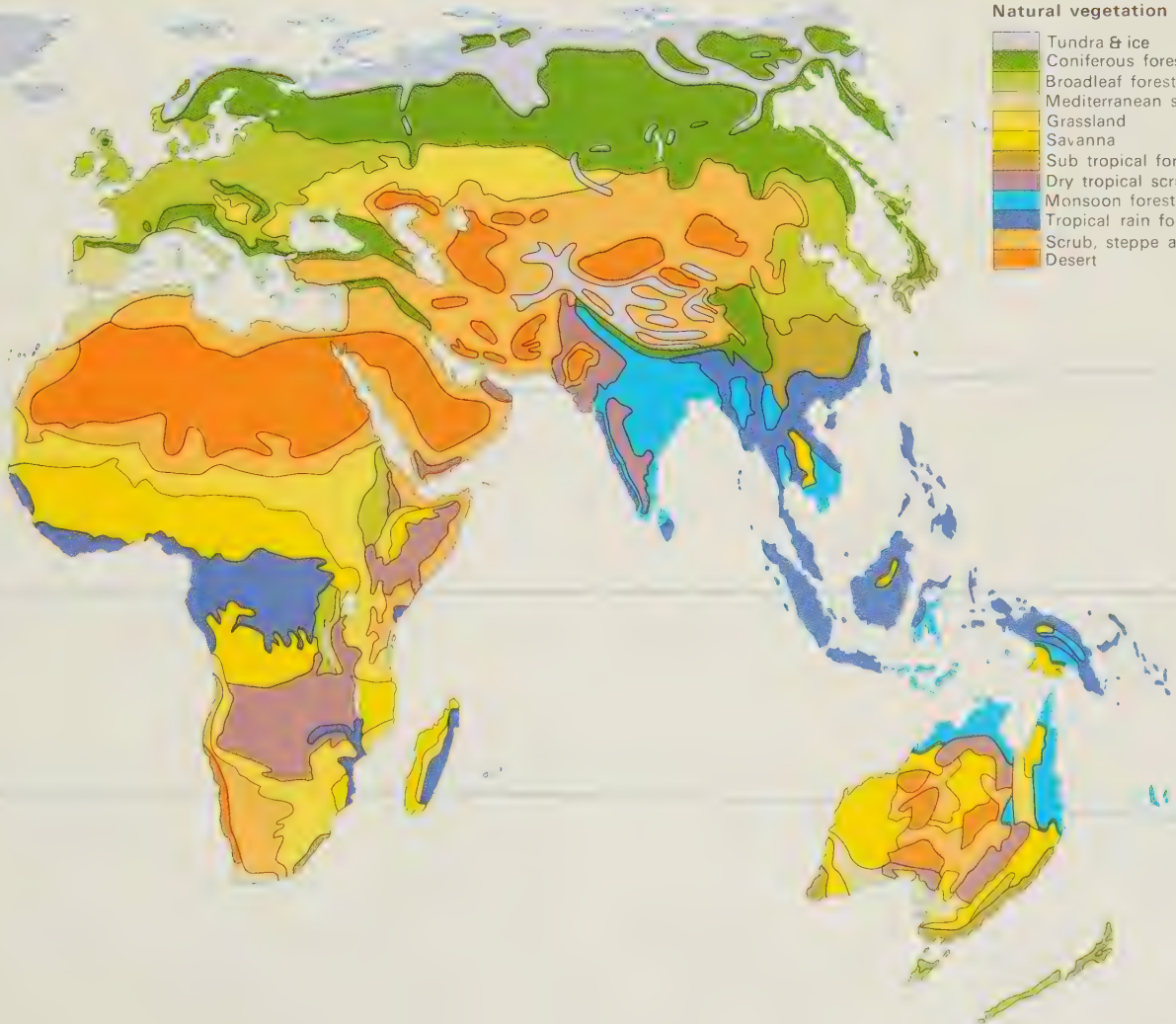
Steppe and semi-desert



Desert

#### Natural vegetation

-  Tundra & ice
-  Coniferous forest
-  Broadleaf forest
-  Mediterranean scrub
-  Grassland
-  Savanna
-  Sub tropical forest
-  Dry tropical scrub & thorn forest
-  Monsoon forest
-  Tropical rain forest
-  Scrub, steppe and semidesert
-  Desert





# 16 FOOD RESOURCES : Animal and Vegetable

## Wheat



The most important grain crop in the temperate regions though it is also grown in a variety of climates e.g. in Monsoon lands as a winter crop

China U.S.S.R. U.S.A. India France Others

World production 1984  
522.9 million tonnes

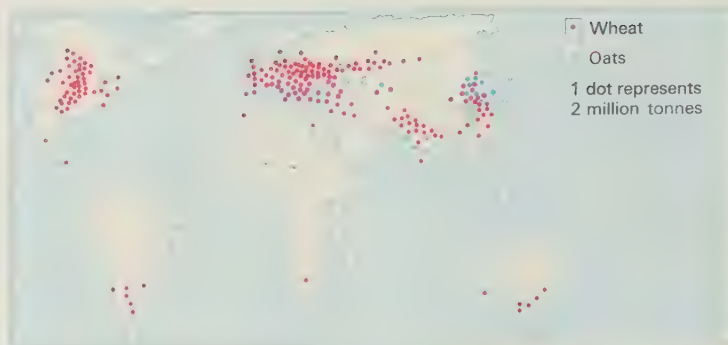
## Oats



Widely grown in temperate regions with the limit fixed by early autumn frosts. Mainly fed to cattle. The best quality oats are used for oatmeal, porridge and breakfast foods

U.S.S.R. U.S.A. Canada Poland W. Germany Others

World production 1984  
43.3 million tonnes



## Rye



The hardest of cereals and more resistant to cold, pests and disease than wheat. An important foodstuff in Central and E Europe and the U.S.S.R

U.S.S.R. Poland E. Germany W. Germany Others

World production 1984  
31.3 million tonnes

## Maize (or Corn)



Needs plenty of sunshine, summer rain or irrigation and frost free for 6 months. Important as animal feed and for human food in Africa, Latin America and as a vegetable and breakfast cereal

U.S.A. China India Others

World production 1984  
450.7 million tonnes



## Barley



Has the widest range of cultivation requiring only 8 weeks between seed time and harvest. Used mainly as animal-feed and by the malting industry.

U.S.S.R. U.S.A. France Others

World production 1984  
171.3 million tonnes

## Rice



The staple food of half the human race. The main producing areas are the flood plains and hill terraces of S. and E. Asia where water is abundant in the growing season

China India Indonesia Others

World production 1984  
471.2 million tonnes



## Millets



The name given to a number of related members of the grass family, of which sorghum is one of the most important. They provide nutritious grain.

India China Nigeria Others

World production 1984  
103.2 million tonnes

## Potatoes



An important food crop though less nutritious weight for weight than grain crops. Requires a temperate climate with a regular and plentiful supply of rain.

U.S.S.R. China Poland U.S.A. Others

World production 1984  
312.2 million tonnes



## Vegetable oilseeds and oils

Despite the increasing use of synthetic chemical products and animal and marine fats, vegetable oils extracted from these crops grow in quantity, value and importance. Food is the major use - in margarine and cooking fats.

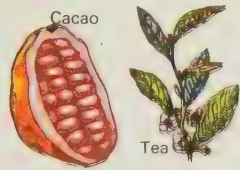
Groundnuts are also a valuable subsistence crop and the meal is used as animal feed. Soya-bean meal is a growing source of protein for humans and animals. The Mediterranean lands are the prime source of olive oil.





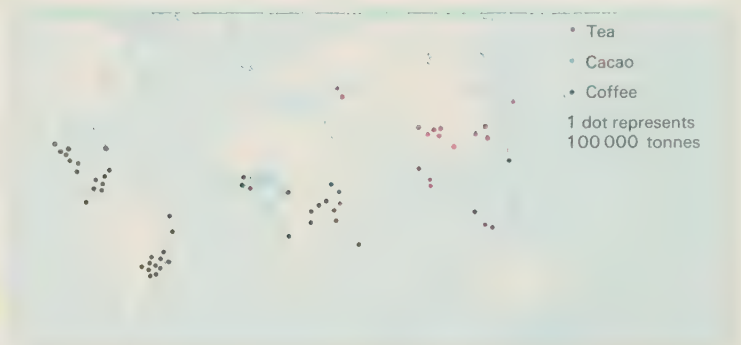
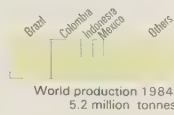
### Tea and cacao

Tea requires plentiful rainfall and well-drained, sloping ground, whereas cacao prefers a moist heavy soil. Both are grown mainly for export.



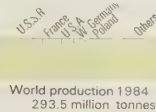
### Coffee

Prefers a hot climate, wet and dry seasons and an elevated location. It is very susceptible to frost, drought and market fluctuations.



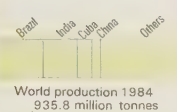
### Sugar beet

Requires a deep, rich soil and a temperate climate. Europe produces over 90 % of the world's beets mainly for domestic consumption.



### Sugar cane

Also requires deep and rich soil but a tropical climate. It produces a much higher yield per hectare than beet and is grown primarily for export.



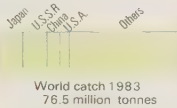
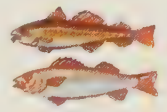
### Fruit

With the improvements in canning, drying and freezing, and in transport and marketing, the international trade and consumption of deciduous and soft fruits, citrus fruits and tropical fruits has greatly increased. Recent developments in the use of the peel will give added value to some of the fruit crops.



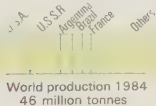
### Fish

Commercial fishing requires large shoals of fish of one species within reach of markets. Freshwater fishing is also important. A rich source of protein, fish will become an increasingly valuable food source.



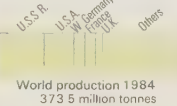
### Beef cattle

Australia, New Zealand and Argentina provide the major part of international beef exports. Western U.S.A. and Europe have considerable production of beef for their local high demand.



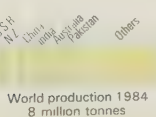
### Dairy cattle

The need of herds for a rich diet and for nearby markets result in dairying being characteristic of densely-populated areas of the temperate zones - U.S.A., N.W. Europe, and S.E. Australia.



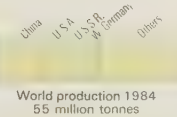
### Sheep

Raised mostly for wool and meat, their skins and the cheese from their milk are important products in some countries. The merino yields a fine wool and crossbreeds are best for meat.



### Pigs

Can be reared in most climates from monsoon to cool temperate. They are abundant in China, the Corn Belt of the U.S.A. N.W. and C. Europe, Brazil and U.S.S.R.





## Production of ferro-alloy metals

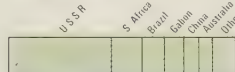
Steel is refined iron with the addition of other minerals and ferro-alloys. The ferro-alloys give the steel their own special properties; for example resistance to corrosion (chromite and nickel), hardness (tungsten and vanadium), elasticity (molybdenum), magnetic properties (cobalt), high tensile strength (manganese) and high ductility (molybdenum).

### Chromite



World production 1983 7.7 million tonnes

### Manganese



World production 1983 22 million tonnes

### Molybdenum



World production 1983 60 400 tonnes

## Production of non-ferrous metals and diamonds

### Copper



World production 1984 8.3 million tonnes

### Lead



World production 1984 3.1 million tonnes

### Nickel



World production 1983 651 600 tonnes

### Tungsten



World production 1983 38 900 tonnes

### Vanadium



World production 1983 28 800 tonnes

### Tin



World production 1984 205 900 tonnes

### Zinc



World production 1984 6.7 million tonnes

### Bauxite



World production 1984 92.5 million tonnes

### Gold



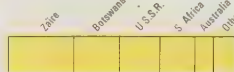
World production 1983 1385.1 tonnes

### Silver



World production 1984 12 789 tonnes

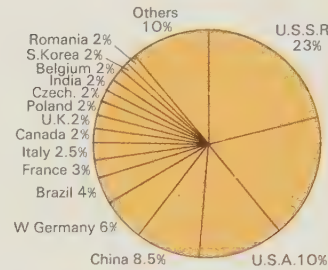
### Diamonds



World production 1984 63.9 million carats

## World production of pig iron and ferro-alloys

World production 1984 481.0 million tonnes

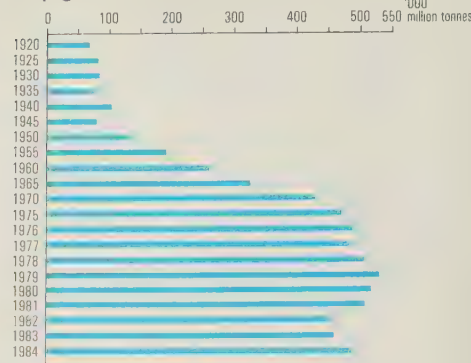


## World production of iron ore (Fe content)

World production 1984 495 million tonnes

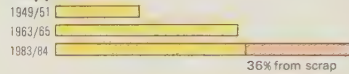


## Development of world production of pig iron and ferro alloys

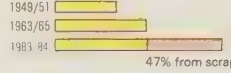


## World consumption of non-ferrous metals

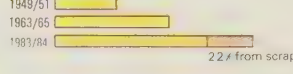
### Copper



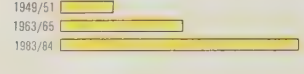
### Lead



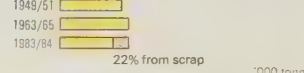
### Zinc



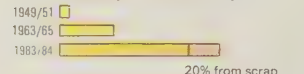
### Nickel



### Tin



### Aluminium (from Bauxite)



## Principal sources of iron ore and ferro-alloys

- Iron ore
- Chromite
- Cobalt
- Manganese
- Molybdenum
- Nickel
- Tungsten
- Vanadium
- Iron ore trade flow

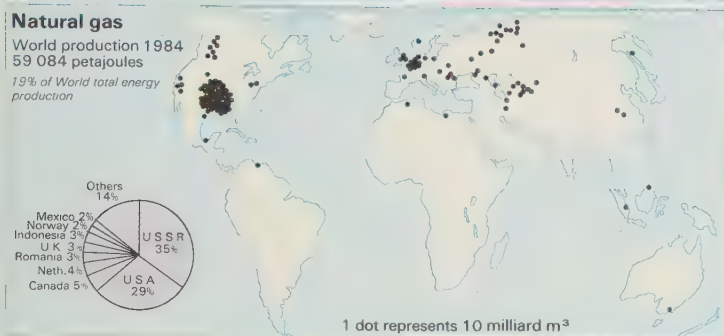
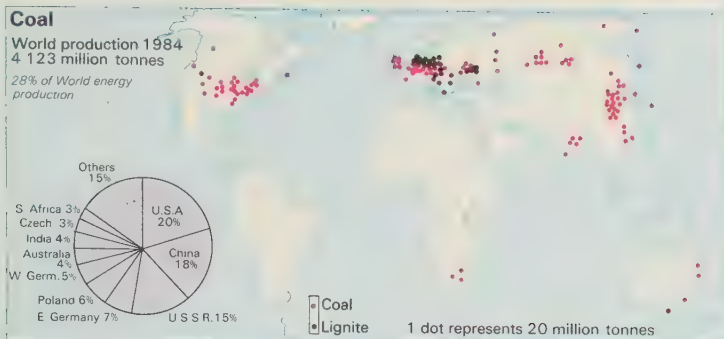
## Principal sources of non-ferrous metals and other minerals

- Base metals**
  - ▲ Antimony
  - ▲ Copper
  - ▲ Lead
  - Mercury
  - Tin
  - ◆ Zinc
- Light metals**
  - Bauxite
  - ▼ Beryllium
  - ▼ Lithium
  - ▼ Titanium
  - Rare metals**
    - ◆ Uranium
- Precious metals**
  - ▲ Gold
  - ▲ Platinum
  - ▼ Silver
  - Precious stones**
    - ▲ Diamonds
- Mineral fertilizers**
  - Nitrates
  - Phosphates
  - Potash
  - Sulphur
  - Pyrites
- Other industrial minerals**
  - Asbestos
  - ▲ Mica

## Structural regions

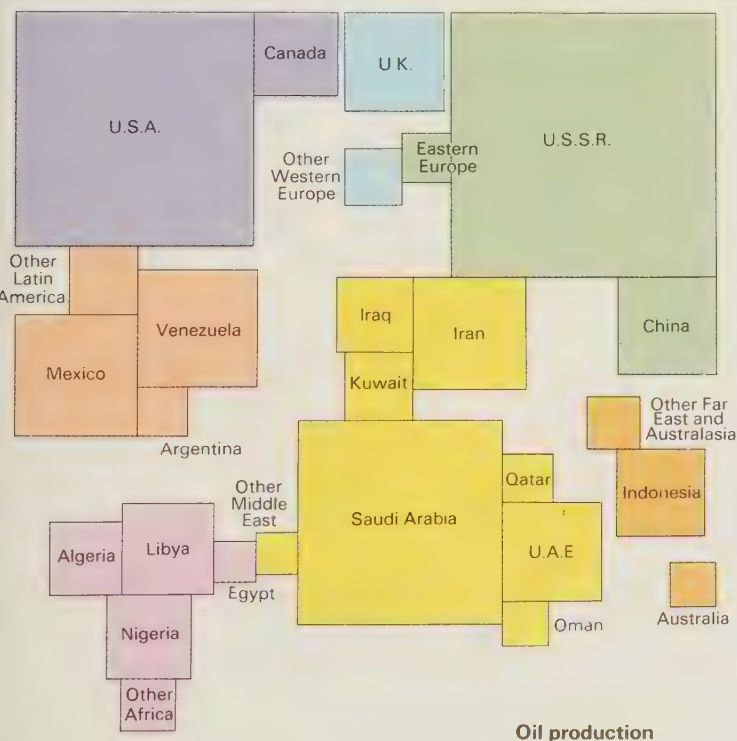
- Pre-Cambrian shields
- Sedimentary cover on Pre-Cambrian shields
- Primary (Caledonian and Hercynian) folding
- Sedimentary cover on Primary folding
- Secondary folding
- Sedimentary cover on Secondary folding
- Tertiary (Alpine) folding
- Sedimentary cover on Tertiary folding





### Nuclear power

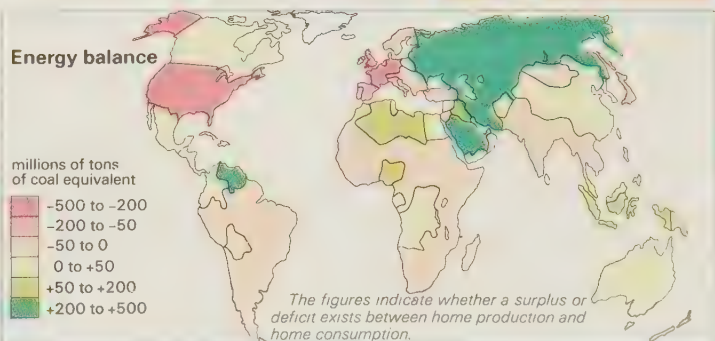
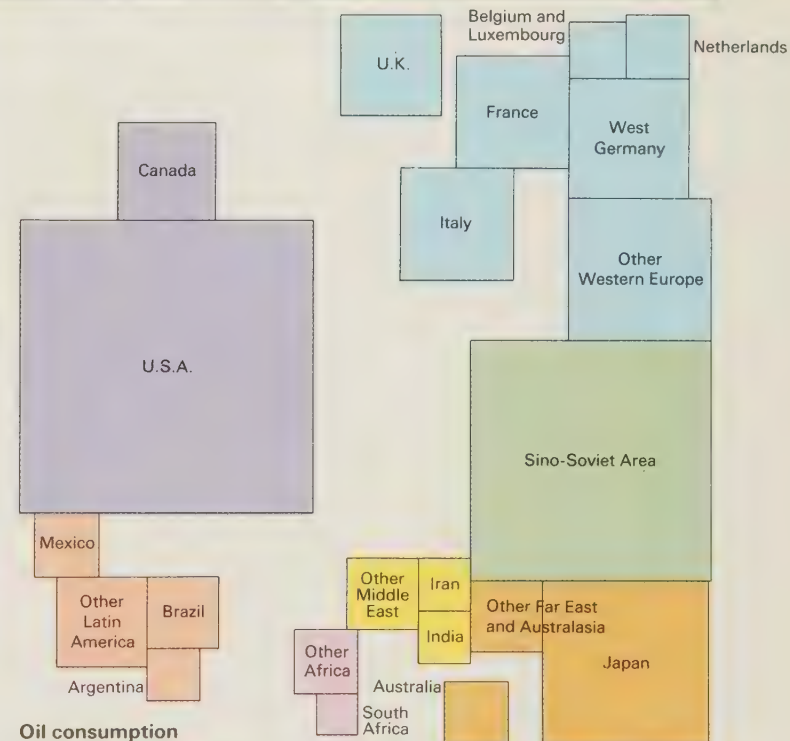
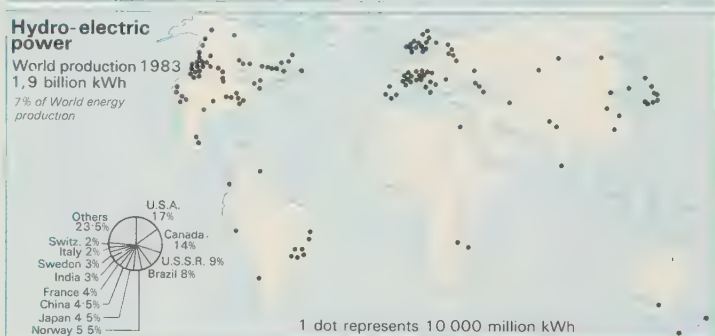
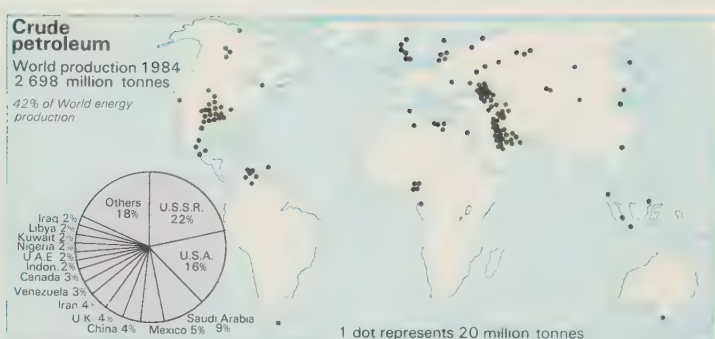
World production 1983 1.0 billion kWh  
Only 4% of world energy production is from nuclear power but it is expected to rise to 15% by the year 2000.



### Oil's new super-powers above

When countries are scaled according to their production and consumption of oil they take on new dimensions. At present, large supplies of oil are concentrated in a few countries of the Caribbean, the Middle East and North Africa, except for the vast indigenous supplies of the U.S.A. and U.S.S.R. The Middle East, with 55% of the world's reserves, produces 20% of the world's supply and yet consumes less than 3%. The U.S.A.

despite its great production, has a deficiency of nearly 225 million tons a year, consuming 28% of the world's total. Estimates show that Western Europe, at present consumes 591 million tons or 21% of the total each year.





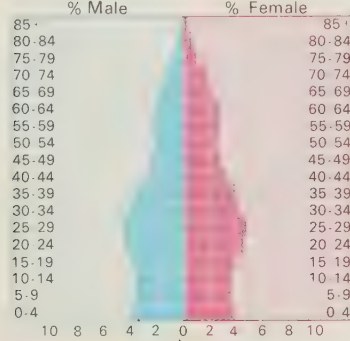
## Population distribution

(right and lower right)

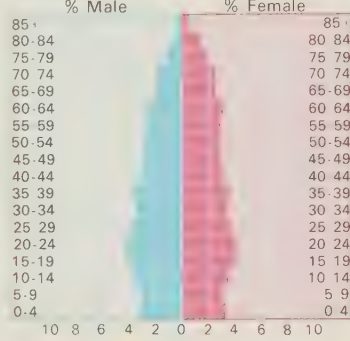
People have always been unevenly distributed in the world. Europe has for centuries contained nearly 20 % of the world's population but after the 16-19th century explorations and consequent migrations this proportion has rapidly decreased. In 1750 the Americas had 2 % of the world's total: in 2000 AD they are expected to contain 14%

The most densely populated regions are in India, China and Europe where the average density is between 100 and 200 per km<sup>2</sup> although there are pockets of extremely high density elsewhere. In contrast French Guiana has less than 1,0 persons per km<sup>2</sup>. The countries in the lower map have been redrawn to make their areas proportional to their populations.

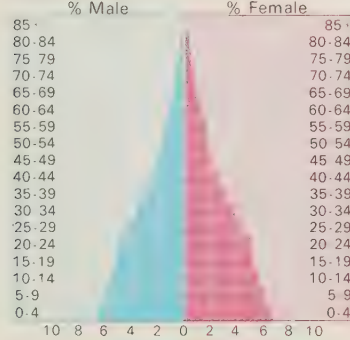
**U.S.A. 1985**



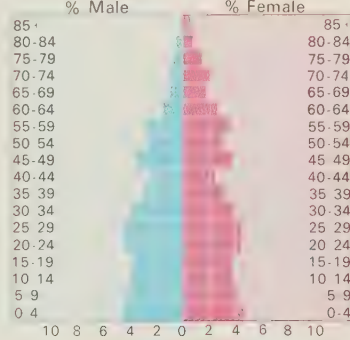
**U.K. 1985**



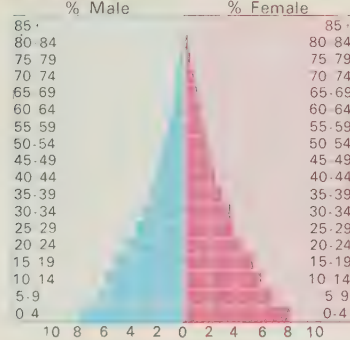
**Brazil 1985**



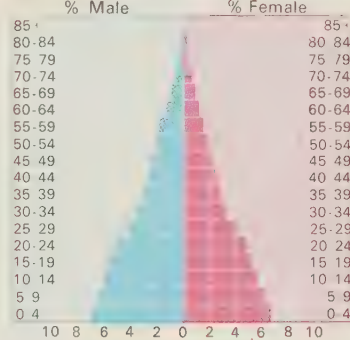
**U.S.S.R. 1985**



**South Africa 1985**



**India 1985**



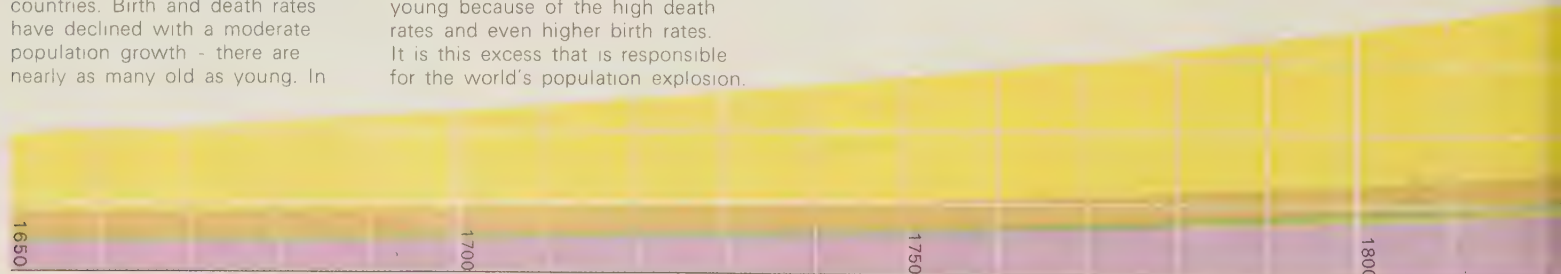
## Age distribution

The U.K. shows many demographic features characteristic of European countries. Birth and death rates have declined with a moderate population growth - there are nearly as many old as young. In

contrast, India and several other countries have few old and many young because of the high death rates and even higher birth rates. It is this excess that is responsible for the world's population explosion.



## Increase in urbanisation in developed and developing countries





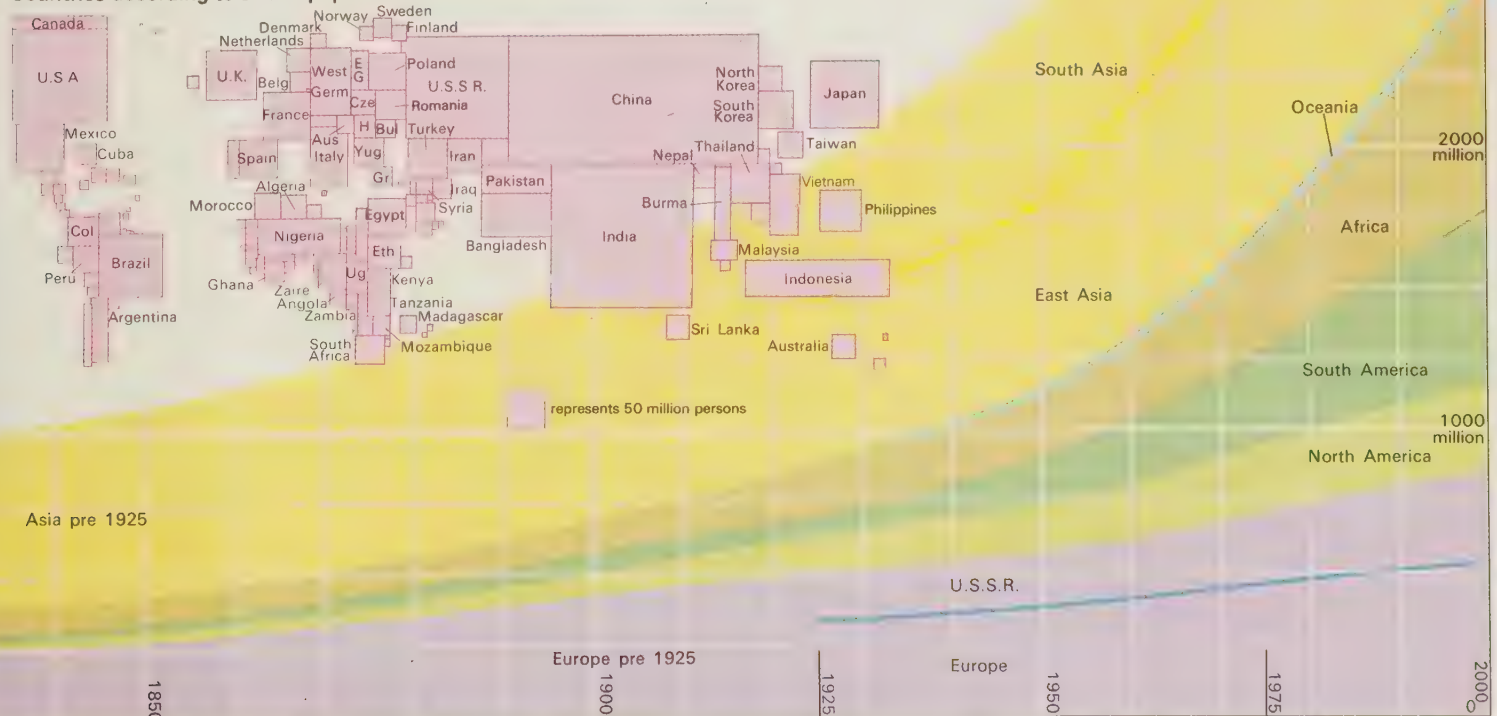
# World population distribution



## World population increase

Until comparatively recently there was little increase in the population of the world. About 6000 BC it is thought that there were about 200 million people and in the following 7000 years an increase of just over 100 million. In the 1800s there were about 1000 million; at present there are over 4000 million and by the year 2000 if present trends continue there would be over 6000 million.

## Countries according to size of population







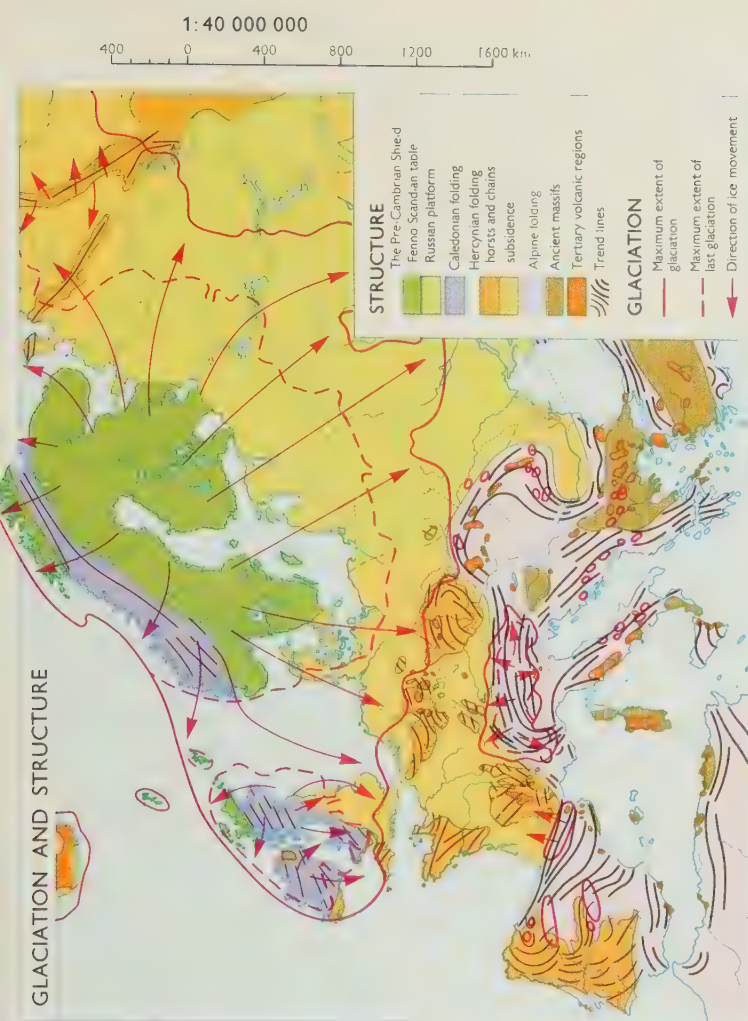
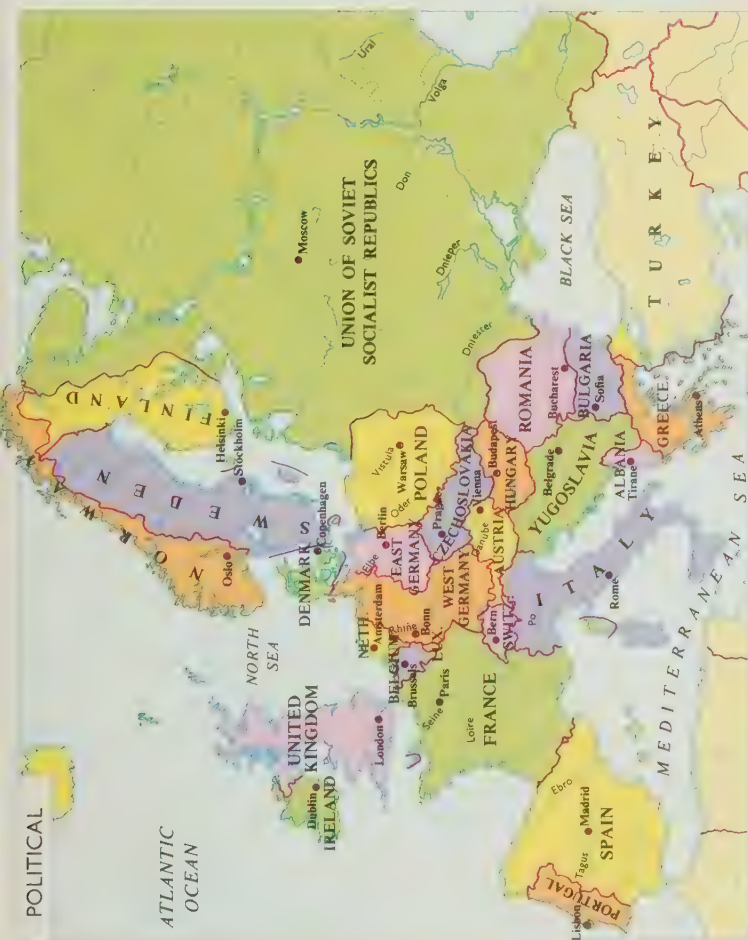




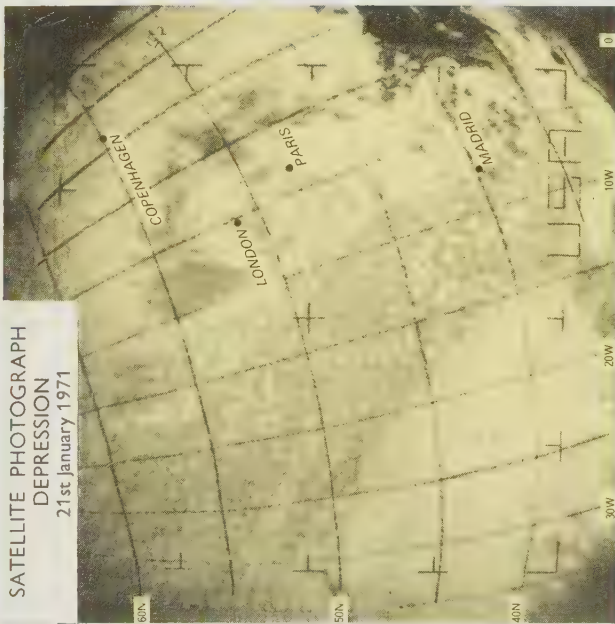






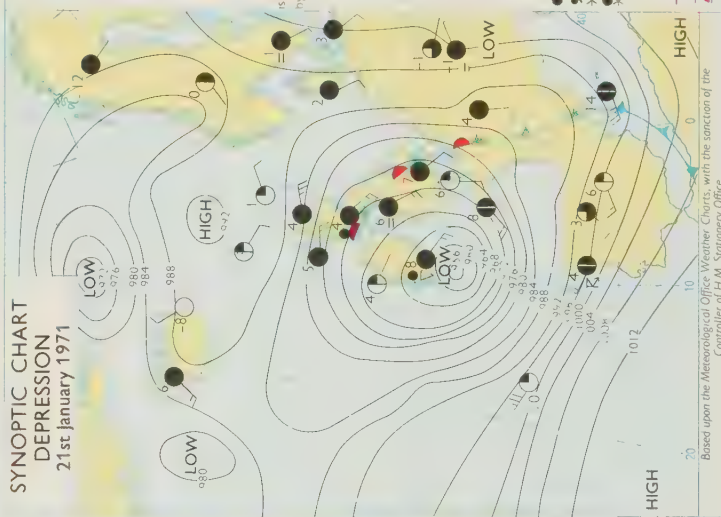


SATELLITE PHOTOGRAPH  
DEPRESSION  
21st January 1971

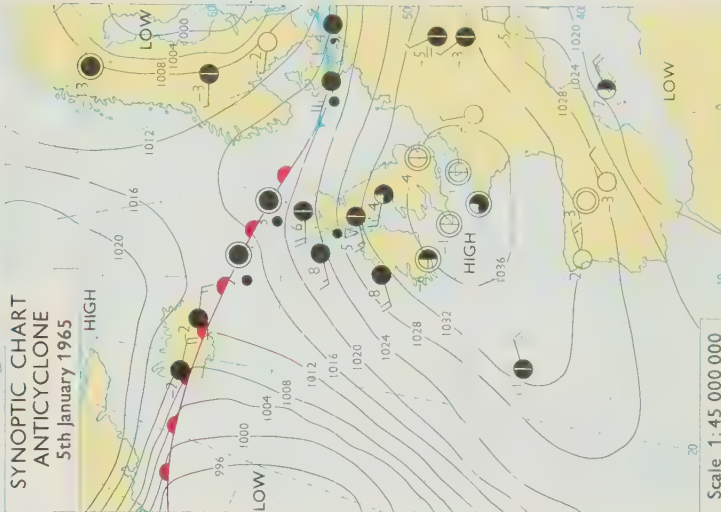


The satellite photograph and synoptic chart show the weather conditions over Western Europe on 21st January 1971. A deep depression is centred to SW of the British Isles with an occlusion NW-SE through England.

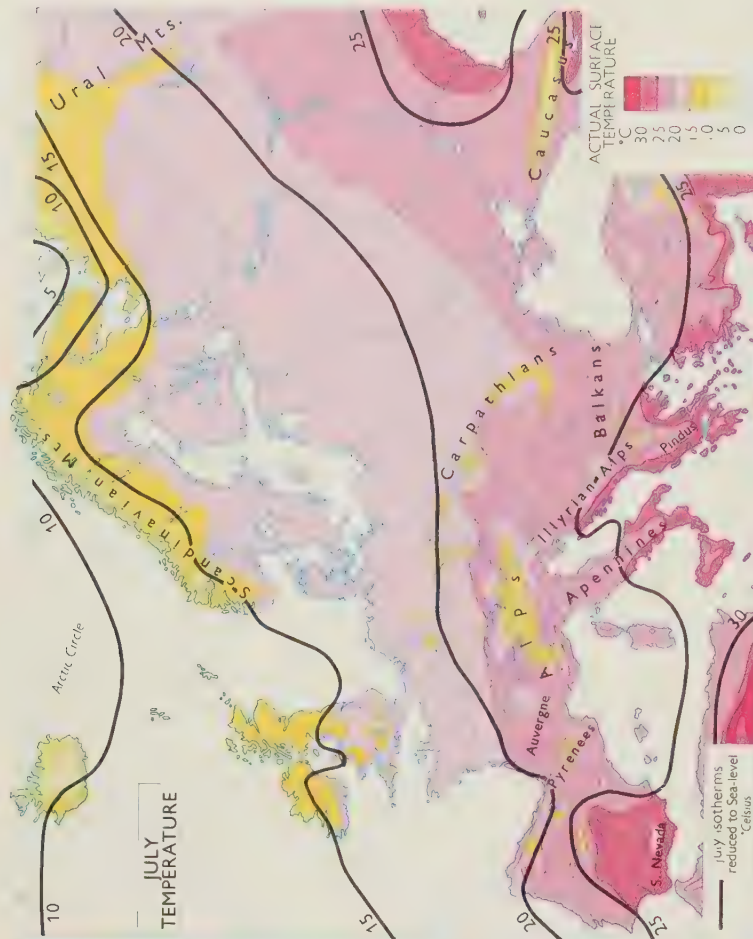
SYNOPTIC CHART  
DEPRESSION  
21st January 1971



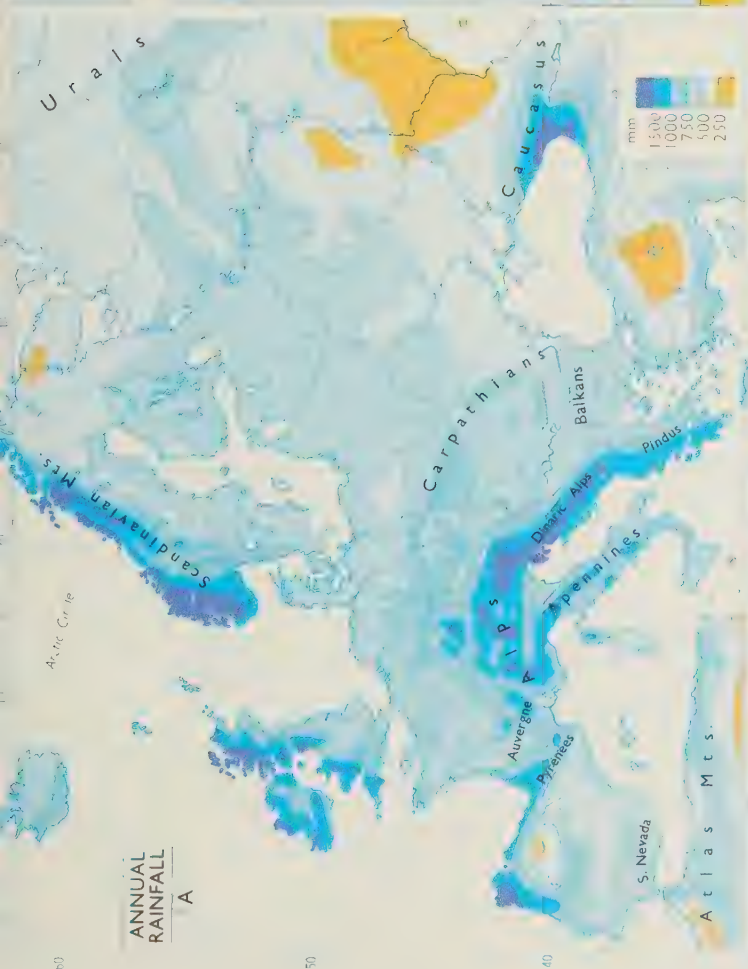
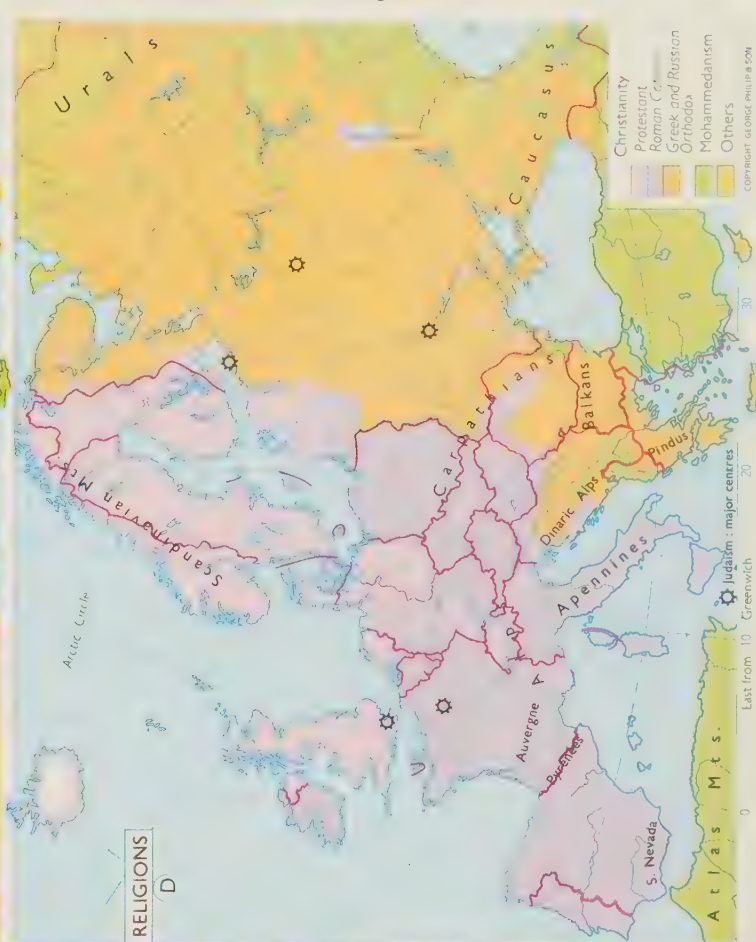
SYNOPTIC CHART  
ANTICYCLONE  
5th January 1965













ELECTRICITY

Sources of power, by percentage

ELECTRICITY

MINERAL PRODUCTION, 1984

The tables show the leading producers of the industrially important minerals in Europe.

| OIL          |        | NATURAL GAS    |       |
|--------------|--------|----------------|-------|
| '000 tons    |        | Petajoules     |       |
| U.K.         | 2 236  | Netherlands    | 2 444 |
| Norway       | 37 776 | U.K.           | 1 590 |
| Romania      | 12 504 | Romania (1983) | 1 680 |
| West Germany | 4 056  | Norway         | 1 166 |
| Yugoslavia   | 4 044  | West Germany   | 587   |
| Hungary      | 2 004  | Italy          | 533   |

| COAL           |         | LIGNITE        |         |
|----------------|---------|----------------|---------|
| '000 tons      |         | '000 tons      |         |
| Poland         | 191 592 | East Germany   | 296 340 |
| West Germany   | 84 036  | W. Germany     | 127 296 |
| U.K.           | 51 252  | Czechoslovakia | 104 748 |
| Czechoslovakia | 26 424  | Yugoslavia     | 54 540  |
| France         | 16 596  | Poland         | 50 376  |
| Spain          | 15 132  | Romania        | 36 000  |

| IRON ORE   |        |
|------------|--------|
| '000 tons  |        |
| Sweden     | 11 325 |
| France     | 4 504  |
| Spain      | 3 726  |
| Norway     | 2 418  |
| Yugoslavia | 1 861  |
| Austria    | 1 116  |

|             |           |
|-------------|-----------|
| Oil         | ▲ Salt    |
| Natural gas | ● Potash  |
| Coal        | ● Bauxite |
| Lignite     | ● Lead    |
| Iron ore    |           |

HEAVY INDUSTRY

HEAVY INDUSTRIES  
PRODUCTS, 1984

| CRUDE STEEL    |        | MERCHANT VESSELS                    |     |
|----------------|--------|-------------------------------------|-----|
| '000 tons      |        | '000 gross registered tons launched |     |
| West Germany   | 39 384 | West Germany                        | 489 |
| Italy          | 23 076 | Denmark                             | 376 |
| France         | 19 020 | Poland                              | 317 |
| Poland         | 16 536 | Finland                             | 315 |
| U.K.           | 15 120 | Italy                               | 233 |
| Czechoslovakia | 4 832  | France                              | 271 |

SULPHURIC ACID

| SULPHURIC ACID |       |
|----------------|-------|
| '000 tons      |       |
| France         | 4 520 |
| West Germany   | 4 399 |
| Spain          | 3 407 |
| Poland         | 2 770 |
| U.K.           | 2 654 |
| Italy (1983)   | 2 339 |

Sulphuric acid is a fundamental basis for most branches of the chemical industry.

|                   |                         |
|-------------------|-------------------------|
| Heavy engineering | ▲ Iron and steel plants |
| Shipbuilding      | ▲ Chemicals             |

ELECTRICITY

Sources of power, by percentage

ELECTRICITY

MINERAL PRODUCTION, 1984

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| Yugoslavia   | 4 044  | West Germany   | 587   |
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| COAL           |         | LIGNITE        |         |
|----------------|---------|----------------|---------|
| '000 tons      |         | '000 tons      |         |
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| Austria    | 1 116  |

|             |           |
|-------------|-----------|
| Oil         | ▲ Salt    |
| Natural gas | ● Potash  |
| Coal        | ● Bauxite |
| Lignite     | ● Lead    |
| Iron ore    |           |

LIGHT INDUSTRY

LIGHT INDUSTRIAL  
PRODUCTS, 1984

| COTTON YARN    |       | WOOL YARN    |       |
|----------------|-------|--------------|-------|
| '000 tons      |       | '000 tons    |       |
| West Germany   | 194.4 | U.K.         | 126   |
| France         | 193.2 | France       | 107.0 |
| Poland         | 178.8 | Belgium      | 91.9  |
| Romania (1983) | 171.6 | Poland       | 79.2  |
| Italy (1983)   | 150.0 | West Germany | 48.0  |
| Czech. (1983)  | 140.4 | East Germany | 36.6  |

| MOTOR VEHICLES |       |
|----------------|-------|
| '000           |       |
| West Germany   | 3 788 |
| France         | 2 910 |
| Italy          | 1 439 |
| Spain          | 1 174 |
| U.K.           | 910   |
| Sweden         | 314   |

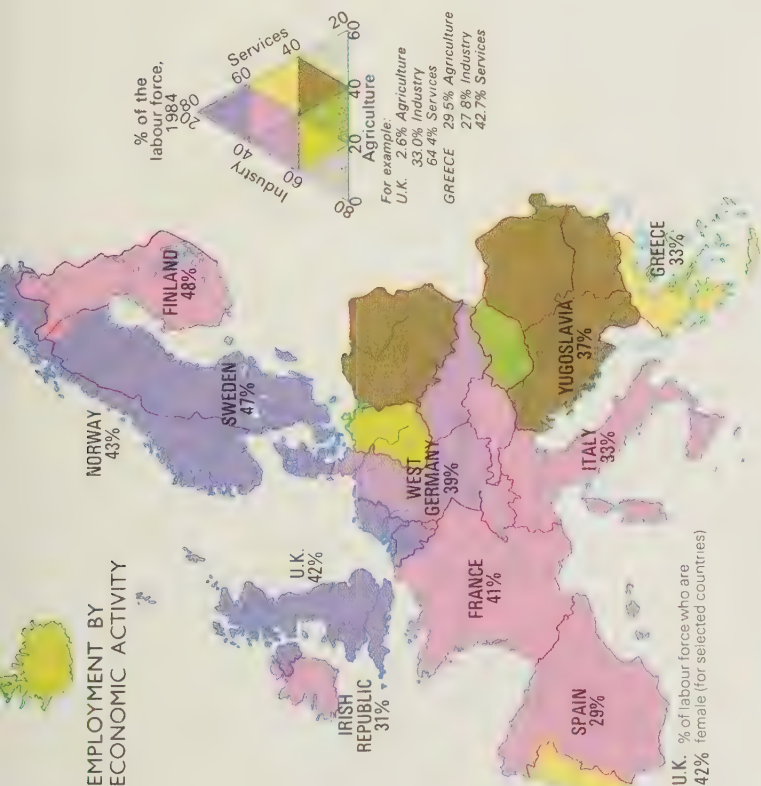
  

| ELECTRONICS      |       |
|------------------|-------|
| '000 televisions |       |
| West Germany     | 3 840 |
| U.K.             | 2 849 |
| France           | 2 009 |
| Italy            | 1 650 |
| Spain            | 1 117 |
| Belgium          | 799   |

|                |                          |
|----------------|--------------------------|
| Textiles       | ● Electrical engineering |
| Motor vehicles |                          |



## EMPLOYMENT BY ECONOMIC ACTIVITY



## TRADE ORGANISATIONS



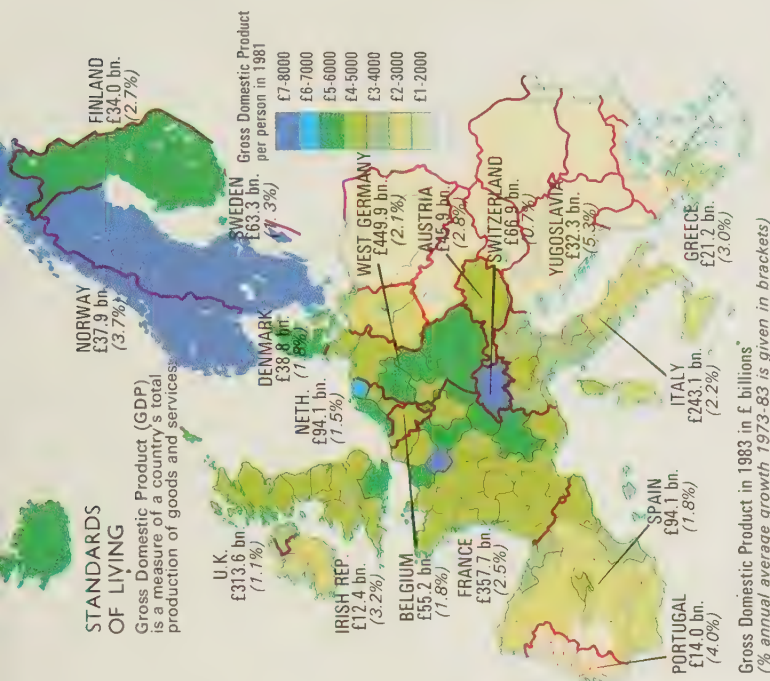
The number of people employed in manufacturing in Europe has steadily declined since 1970. Service industries such as tourism are becoming increasingly important.

**RECEIPTS FROM TOURISM**  
as percentage of G.D.P. 1982  
(Total receipts in \$ U.S. million are given in brackets)

|             |      |          |
|-------------|------|----------|
| Austria     | 8.5% | (5 649)  |
| Greece      | 4.5% | (1 527)  |
| Portugal    | 4.1% | (878)    |
| Spain       | 3.9% | (7 126)  |
| Switzerland | 3.1% | (3 015)  |
| Ireland     | 2.8% | (477)    |
| Italy       | 2.4% | (8 234)  |
| Denmark     | 2.3% | (1 305)  |
| Belgium     | 1.9% | (1 578)  |
| Norway      | 1.5% | (815)    |
| France      | 1.3% | (6 991)  |
| Yugoslavia  | 1.2% | (844)    |
| Finland     | 1.2% | (579)    |
| U.K.        | 1.1% | (5 144)  |
| U.S.A.      | 0.4% | (11 293) |
| Hong Kong   | 6.0% | (1 457)  |

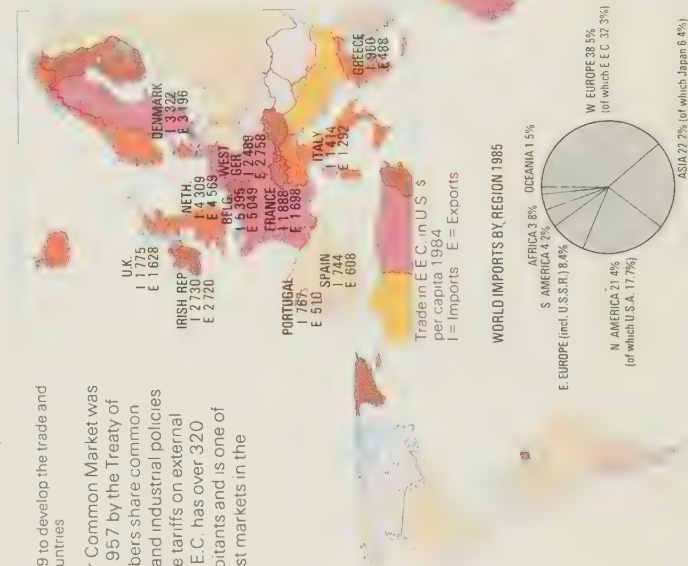
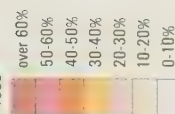
## STANDARDS OF LIVING

Gross Domestic Product (GDP) is a measure of a country's total production of goods and services.



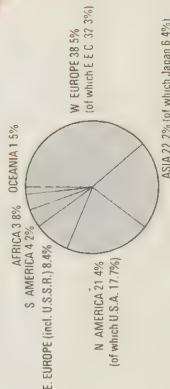
## IMPORTANCE OF TRADE TO THE E.E.C.

EEC's share of each country's total imports 1983



Trade in E.E.C. in U.S. \$ per capita 1984  
I = Imports E = Exports

WORLD IMPORTS BY REGION 1985





# DEMOGRAPHY

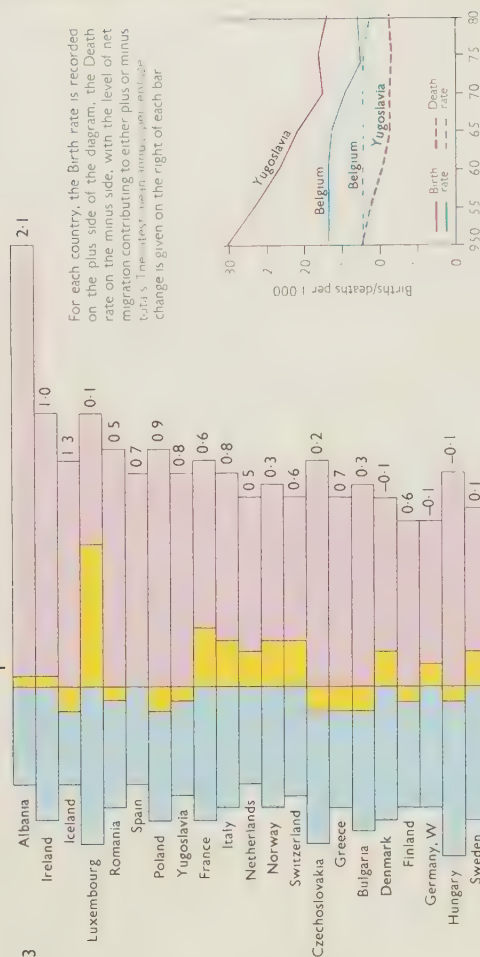
POPULATION OF SELECTED CITIES, 1960-83

|           | 1960  | 1970  | 1980   | 1983   |
|-----------|-------|-------|--------|--------|
| London    | 8 172 | 7 349 | 6 696* | 6 755  |
| Madrid    | 2 260 | 3 146 | 3 188* | 3 159  |
| Warsaw    | 1 136 | 1 274 | 1 596  | 1 647  |
| Sofia     | 671   | 886   | 1 052  | 1 064† |
| Stockholm | 809   | 768   | 647    | 650    |

## URBAN POPULATION

In many countries, considerable population change occurs within principal urban areas, which are too small to illustrate at this scale. Such change is usually one of decline in the more industrialized countries, where dispersal of industry and population is characteristic. Urban centres of the less-developed countries, particularly capital cities, where industrial activity is concentrated, tend to be marked by population increases.

Percentage population change in European regions, 1970-84



The graph shows comparative Birth and Death rates for 1984, with net migration with marked differences in mean annual population change.

## POPULATION AND WORKFORCE

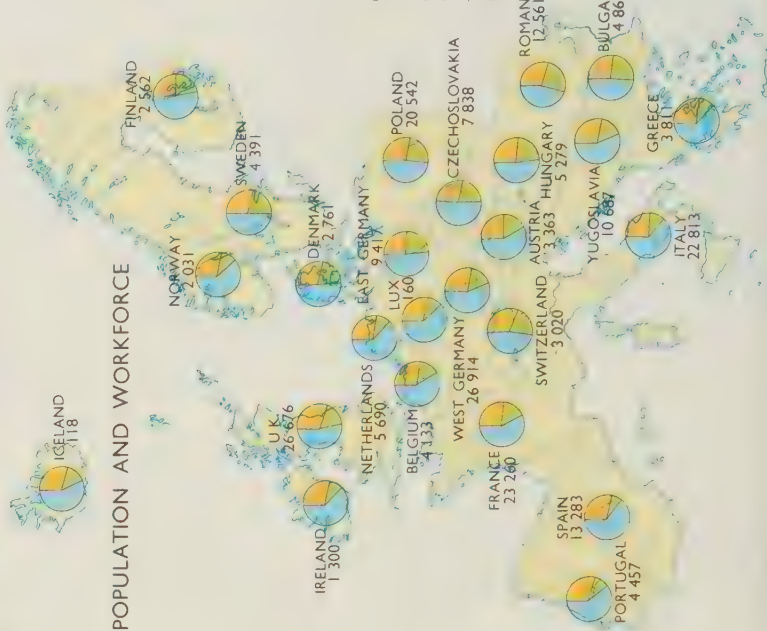
UNEMPLOYMENT 1984 figures Percentage of workforce

|              |      |
|--------------|------|
| Spain        | 20.1 |
| Belgium      | 14.4 |
| Italy        | 11.9 |
| U.K.         | 11.8 |
| Denmark      | 9.8  |
| West Germany | 6.4  |
| Finland      | 6.1  |
| Austria      | 3.8  |
| Sweden       | 3.1  |
| Norway       | 3.0  |

The circles are subdivided in proportion to each country's employable and dependent population. The economically active sector includes the currently unemployed, but excludes students, those occupied in domestic duties and retired persons.

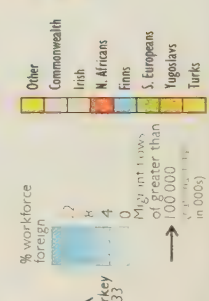
The size of each national workforce is given in thousands.

Economically active population male  
Economically active population female  
Dependent population

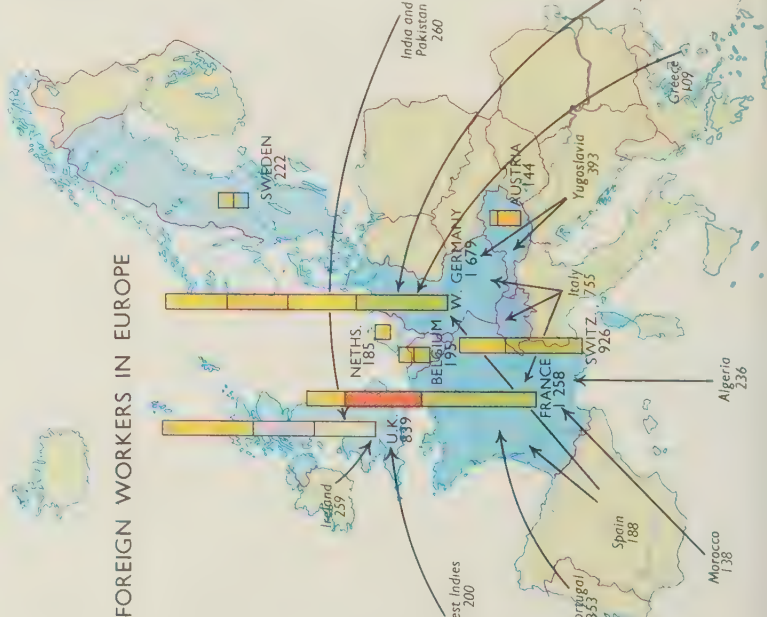
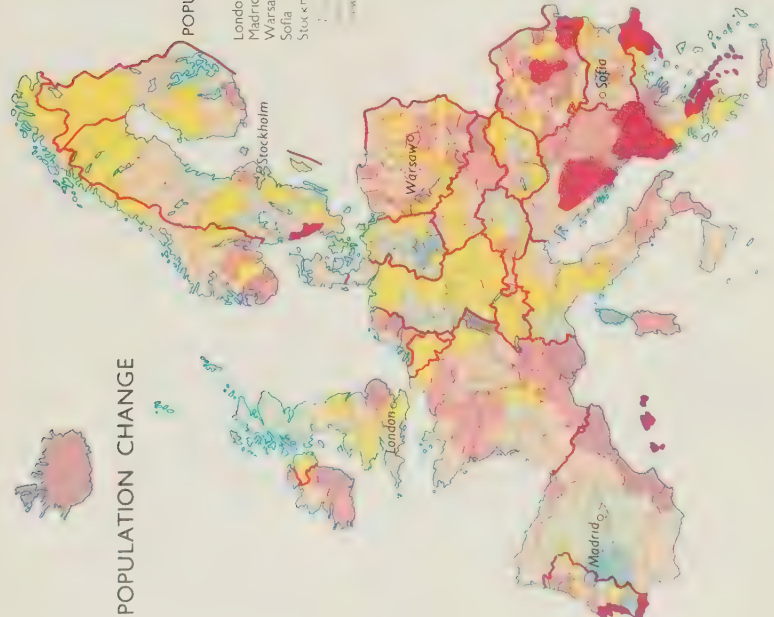


Large scale flows of migrant workers to and within Western Europe arose during a period of rapid economic growth since 1950. Besides continued rural-urban migration within countries, the principal flows have been from the poorer regions of Europe, North Africa and the ex-colonies of European countries.

The bar diagrams positioned in each recipient country represent the size of each immigrant workforce, and its ethnic composition in all cases. Totals are in thousands.



## POPULATION CHANGE







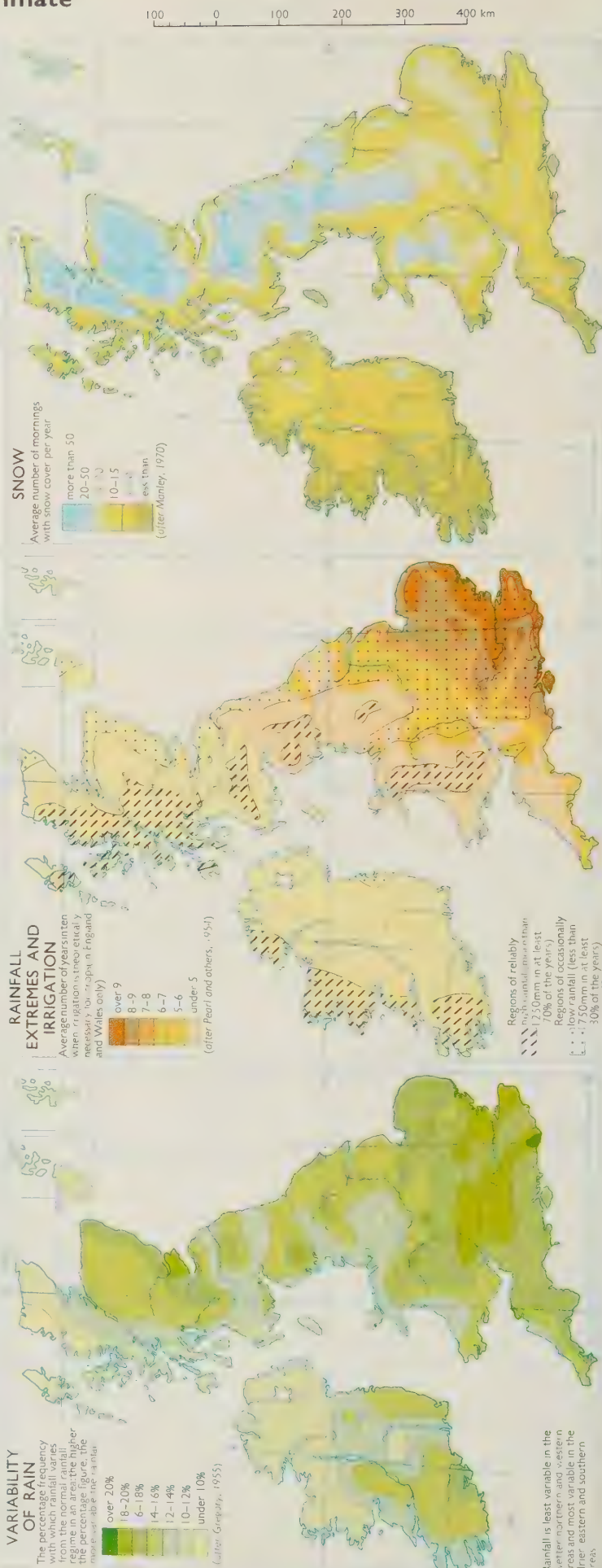
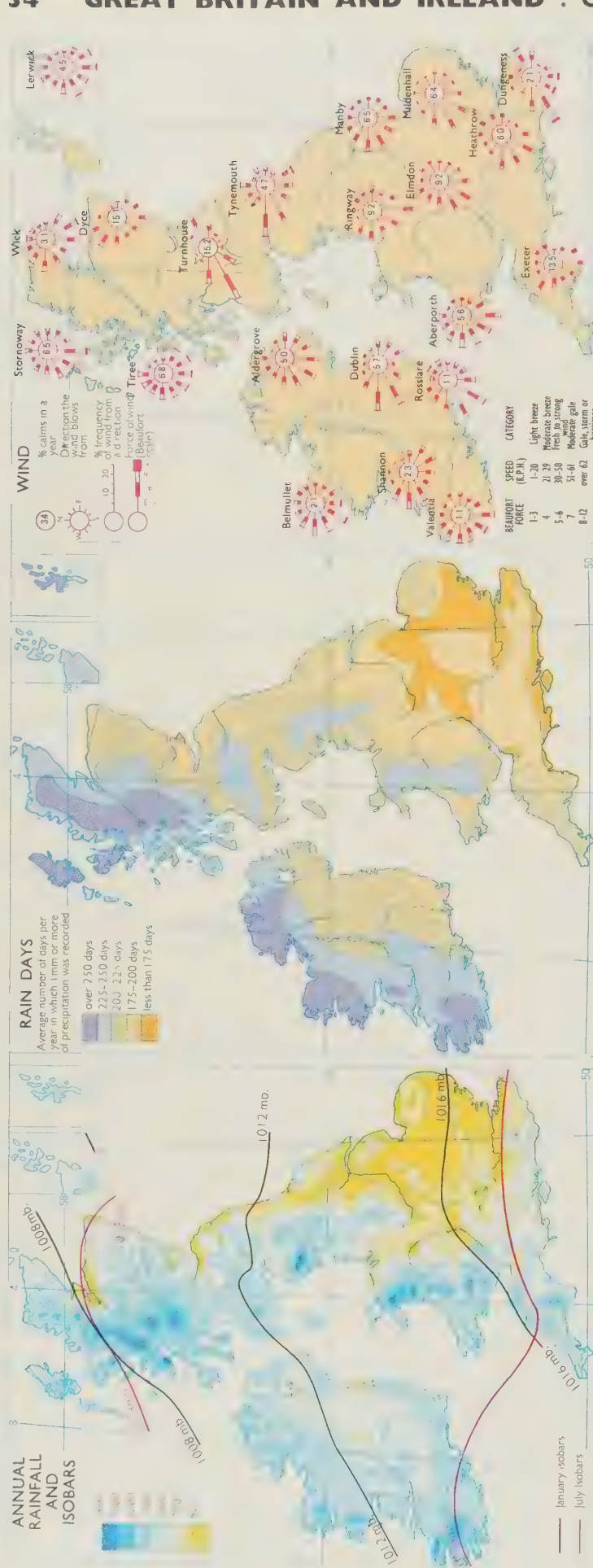




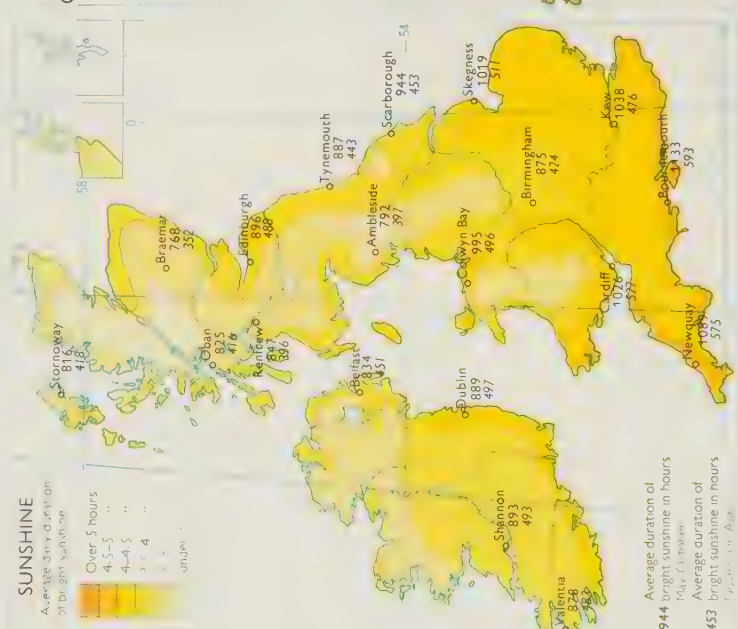
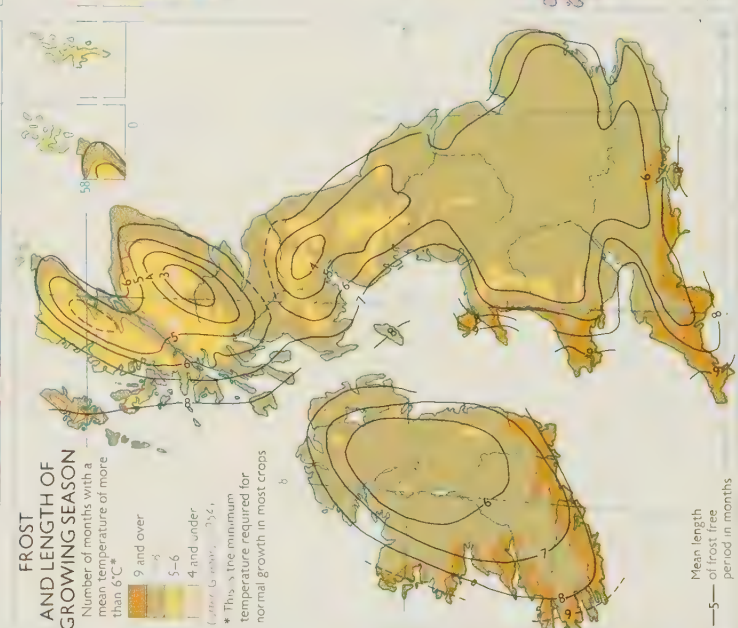
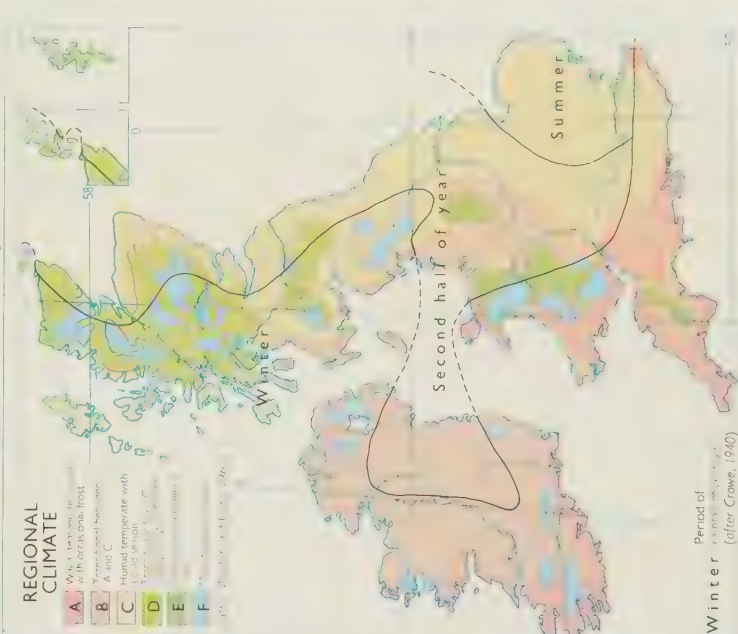
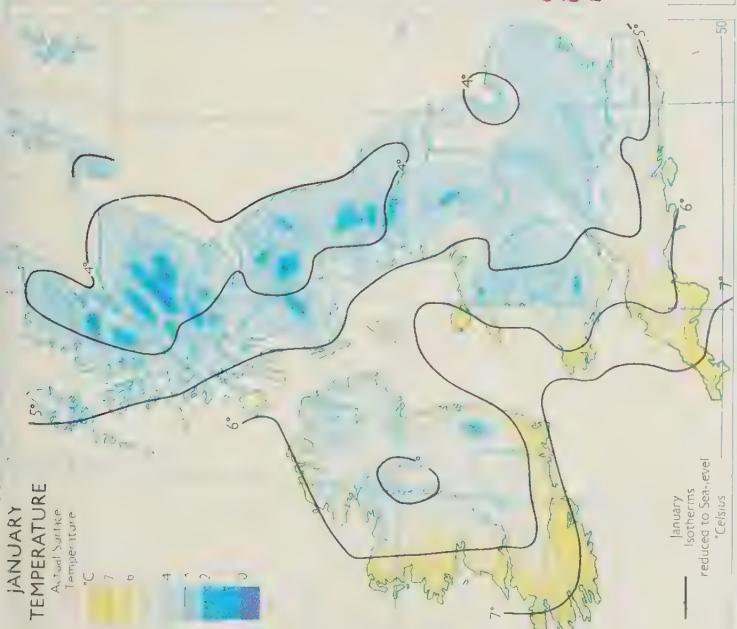
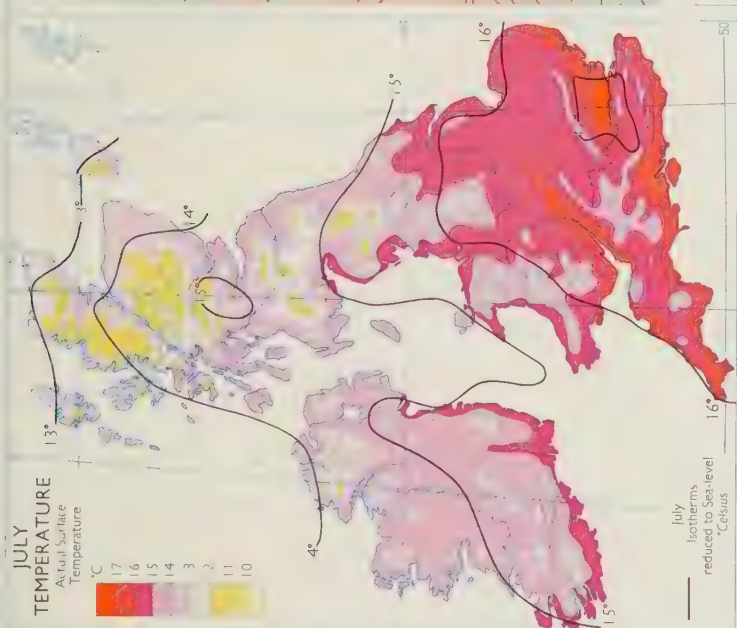
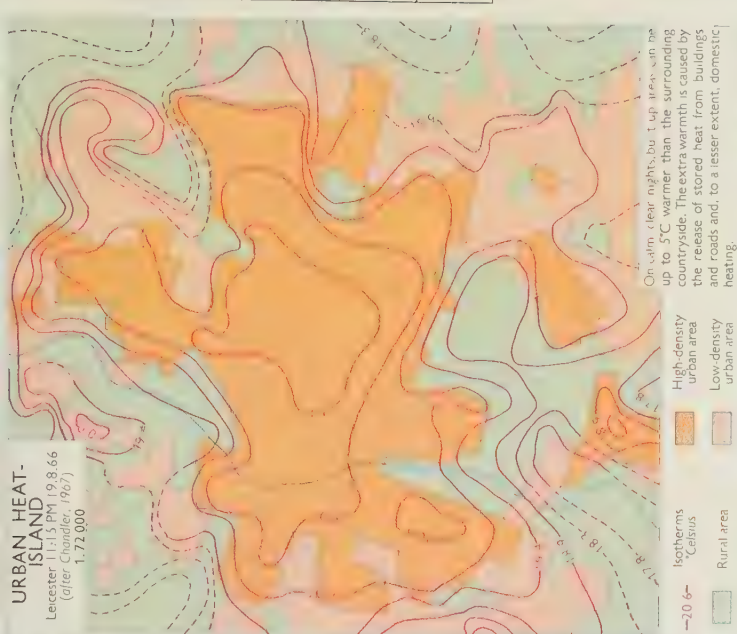












See P.25 for synoptic charts of the British Isles and Western Europe



PRINCIPAL CITIES AND THEIR POPULATIONS

| 1981 Census        | Area '000 km <sup>2</sup> | Population '000 inhab. | Density Persons p. km <sup>2</sup> |
|--------------------|---------------------------|------------------------|------------------------------------|
| Greater London     | 130.4                     | 46 956                 | 360                                |
| Birmingham         | 20.8                      | 2 807                  | 135                                |
| Glasgow            | 78.7                      | 5 146                  | 65                                 |
| Dublin             | 14.1                      | 1 578                  | 112                                |
| Liverpool          | 510                       | 56 488                 | 232                                |
| Sheffield          | 477                       | 51                     | 51                                 |
| Manchester         | 449                       | 3 535                  | 51                                 |
| Leeds              | 449                       |                        |                                    |
| Edinburgh          | 419                       |                        |                                    |
| Bristol            | 388                       |                        |                                    |
| Belfast            | 374                       |                        |                                    |
| Coventry           | 314                       |                        |                                    |
| Bradford           | 281                       |                        |                                    |
| Leicester          | 280                       |                        |                                    |
| Cardiff            | 271                       |                        |                                    |
| Nottingham         | 271                       |                        |                                    |
| Kingston-upon-Hull | 268                       |                        |                                    |
| Wolverhampton      | 252                       |                        |                                    |
| Stoke-on-Trent     | 252                       |                        |                                    |
| Plymouth           | 244                       |                        |                                    |
| Derby              | 216                       |                        |                                    |
| Southampton        | 204                       |                        |                                    |

POPULATION BY COUNTRY

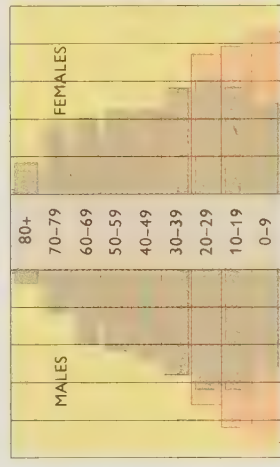
| Area '000 km <sup>2</sup> | Population '000 inhab. | Density Persons p. km <sup>2</sup> |
|---------------------------|------------------------|------------------------------------|
| England                   | 130.4                  | 46 956                             |
| Wales                     | 20.8                   | 2 807                              |
| Scotland                  | 78.7                   | 5 146                              |
| N. Ireland                | 14.1                   | 1 578                              |
| Total U.K.                | 244.0                  | 56 488                             |
| Irish Rep.                | 68.9                   | 51                                 |

POPULATION CHANGE AND PROJECTIONS IN THE U.K.



AGE STRUCTURE OF THE U.K. IN 1901 AND 1984

| Age Group | 1901 | 1984 |
|-----------|------|------|
| 80+       | 38.2 | 42.1 |
| 70-79     | 44.0 | 46.0 |
| 60-59     | 50.2 | 52.7 |
| 50-49     | 55.5 | 55.7 |
| 40-39     | 56.7 | 57.5 |
| 30-29     | 57.5 | 57.5 |
| 20-19     | 57.5 | 57.5 |
| 0-9       | 57.5 | 57.5 |



The bars represent the percentage of the male population and the percentage of the female population in the age group shown for 1901 and 1984.

MIGRATION IN GREAT BRITAIN



U.K. Emigrants - 1984

| Region             | Percentage |
|--------------------|------------|
| Aus. N.Z. & Can.   | 18         |
| Other Commonwealth | 8          |
| E.E.C.             | 16         |
| U.S.A.             | 17         |
| S. Africa          | 1          |
| Rest of World      | 26         |



URBANISATION—THE GROWTH OF LONDON FROM 1801 TO 1978

1:1 000 000

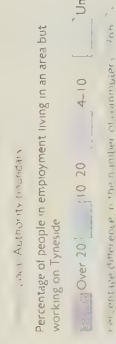
| Population of London (million inhabitants) | 1801 | 1881 | 1921 | 1951  | 1981  |
|--------------------------------------------|------|------|------|-------|-------|
| City of London                             | 0.13 | 0.05 | 0.01 | 0.005 | 0.006 |
| Inner London                               | 0.83 | 3.78 | 4.48 | 3.34  | 2.50  |
| Outer London                               | 0.16 | 0.94 | 3.0  | 5.0   | 4.20  |
| Greater London                             | 1.12 | 4.77 | 7.49 | 8.35  | 6.70  |

The expansion of the conurbation has continued beyond previously defined boundaries, resulting in widespread increases in commuting against a background of decreasing populations and workforces within the city centres

Commuters as a percentage of total workforce in the conurbation

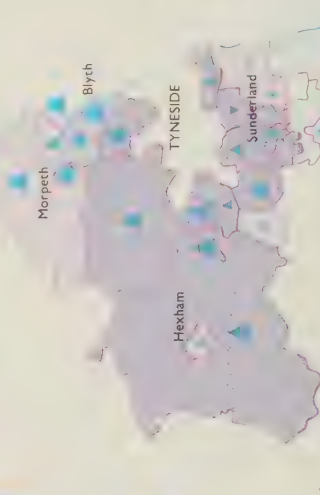
| Conurbation    | Percentage |
|----------------|------------|
| Greater London | 11.3%      |
| Merseyside     | 6.4%       |
| Tyneside       | 11.1%      |
| West Yorks     | 4.2%       |
| West Midlands  | 7.7%       |
| Clydeside      | 4.1%       |

COMMUTING ON TYNESIDE



Percentage of people in employment living in an area but working on Tyneside

| Area    | Percentage |
|---------|------------|
| Over 20 | 10         |
| 10-20   | 20         |
| 4-10    | 40         |
| Under 4 | 100        |



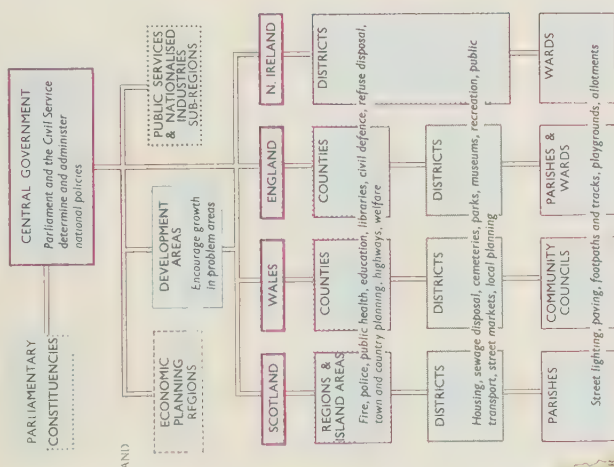
DENSITY OF POPULATION





THE ADMINISTRATIVE STRUCTURE OF THE U.K.

This diagram shows the principal administrative and planning areas in the U.K. and their functions. The boxes have borders which match those on the accompanying maps. The county of Cheshire is given as an example of local government areas.



ADMINISTRATIVE AREAS

On 1st April 1986 the six metropolitan counties, such as planning, education, and transport, libraries and to the city and town boroughs and various non elected representatives

The districts of Northern Ireland have been numbered and can be identified by reference to this table

- |                |                    |
|----------------|--------------------|
| 1. Londonderry | 14. Craigavon      |
| 2. Limavady    | 15. Armagh         |
| 3. Coleraine   | 16. Newry & Mourne |
| 4. Ballymoney  | 17. Banbridge      |
| 5. Moyle       | 18. Down           |
| 6. Larne       | 19. Lisburn        |
| 7. Ballymena   | 20. Antrim         |
| 8. Magherafelt | 21. Newtownabbey   |
| 9. Cookstown   | 22. Carrickfergus  |
| 10. Strabane   | 23. North Down     |
| 11. Omagh      | 24. Ards           |
| 12. Fermanagh  | 25. Castlereagh    |
| 13. Dungannon  | 26. Belfast        |

ECONOMIC PLANNING AND DEVELOPMENT REGIONS  
Wales 1:500,000  
Nationalised industries and public corporations, such as the Electricity, Gas, Water and Coal Boards, British Rail and the G.P.O., are subdivided into regions for the purpose of administration and planning. These regions vary from industry to industry but the Electricity Board (.....) is a typical example.



PARLIAMENTARY AREAS  
Parliamentary Constituency Boundary  
(B C) Borough Constituency  
(C C) County Constituency  
GREATER MANCHESTER



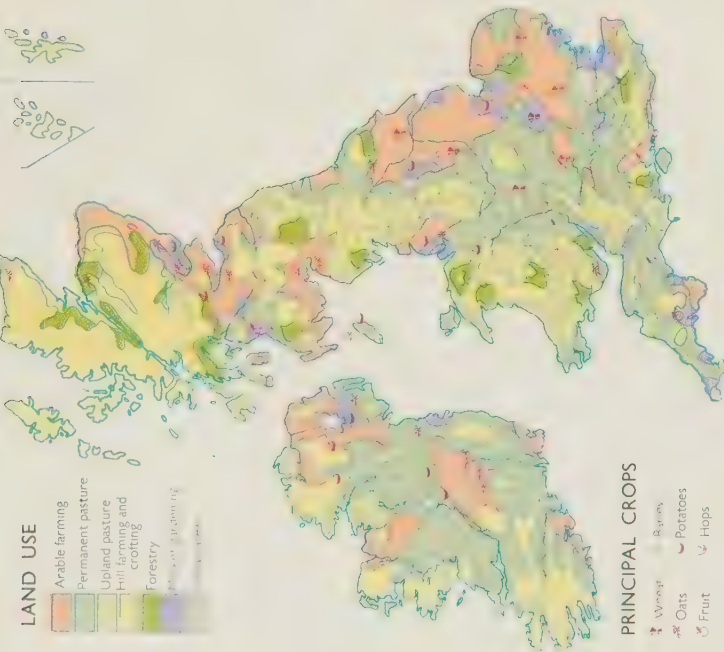
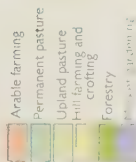
CHESHIRE  
1:550,000



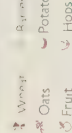
The United Kingdom of Great Britain and Northern Ireland does not include the Channel Islands or the Isle of Man which are direct dependencies of the Crown with their own parliaments and taxes  
Projection: Cassini with two 1rd parallels



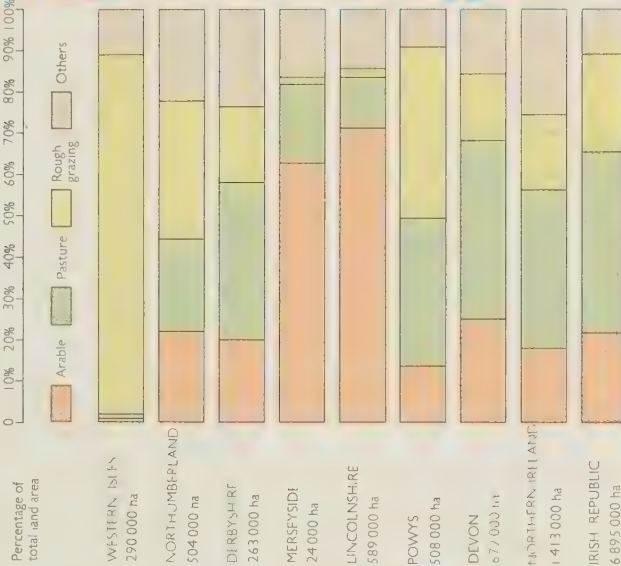
LAND USE



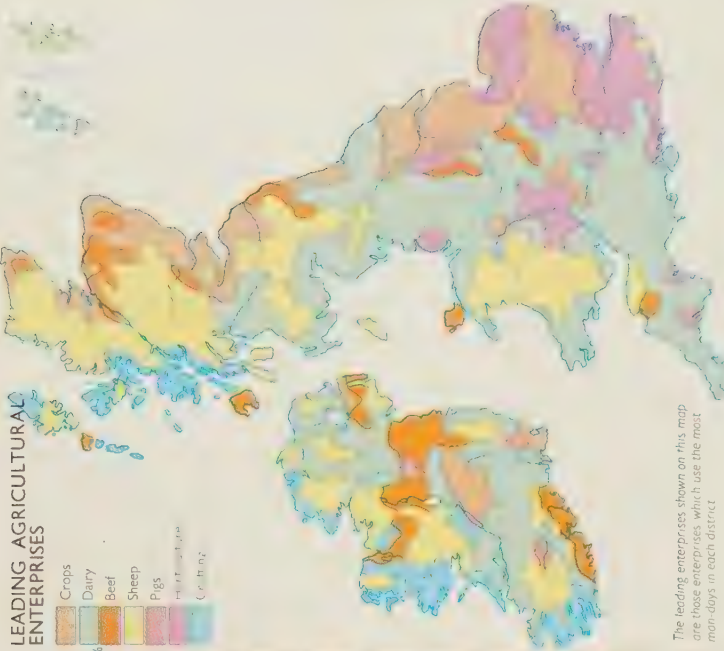
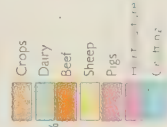
PRINCIPAL CROPS



LAND AREA UNDER DIFFERING AGRICULTURAL USES IN A SELECTION OF REGIONS

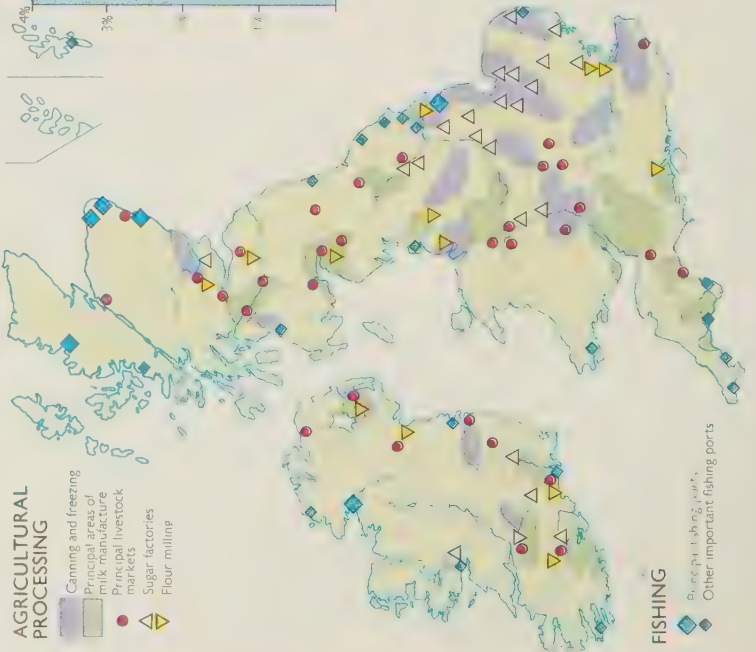
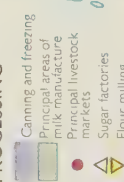


LEADING AGRICULTURAL ENTERPRISES



The leading enterprises shown on this map are those enterprises which use the most man-days in each district

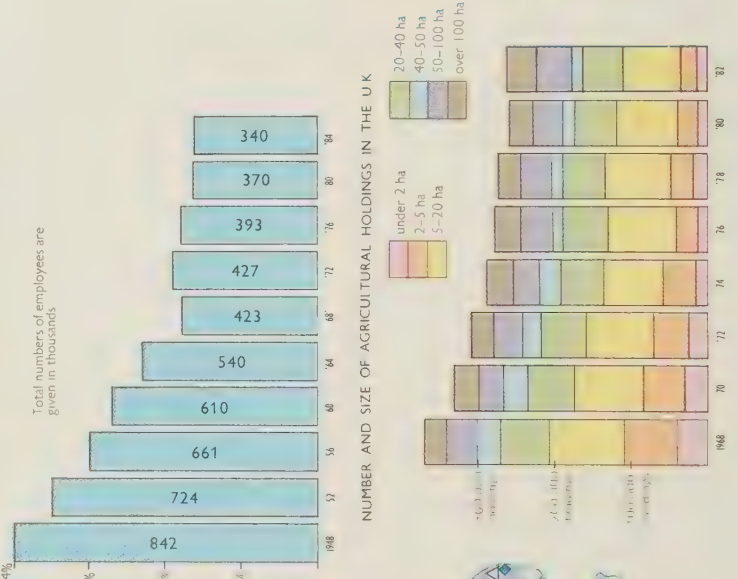
AGRICULTURAL PROCESSING



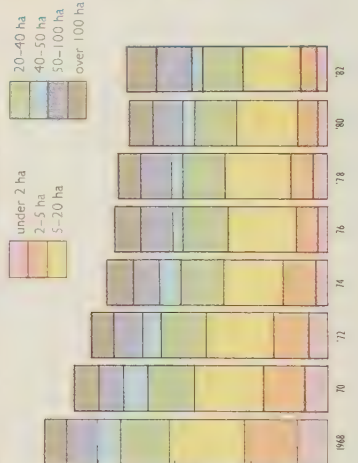
FISHING



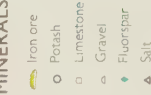
AGRICULTURE, FORESTRY AND FISHING EMPLOYEES AS A PERCENTAGE OF TOTAL WORKING POPULATION IN THE U.K.



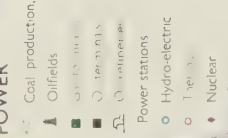
NUMBER AND SIZE OF AGRICULTURAL HOLDINGS IN THE U.K.



MINERALS



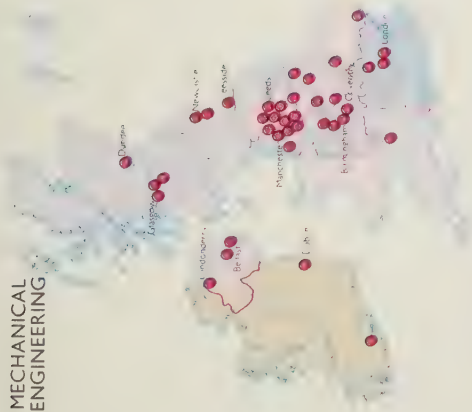
POWER



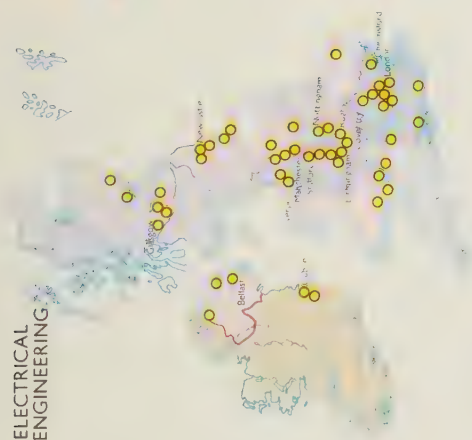
For further information on oil and natural gas see P.31



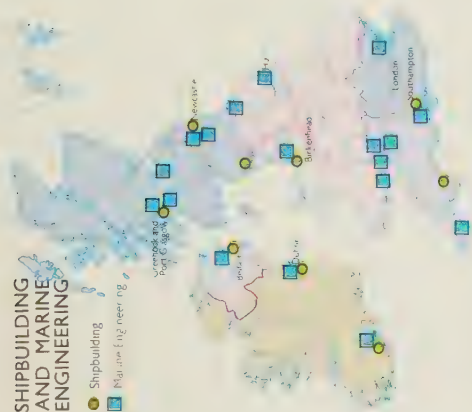
## MECHANICAL ENGINEERING



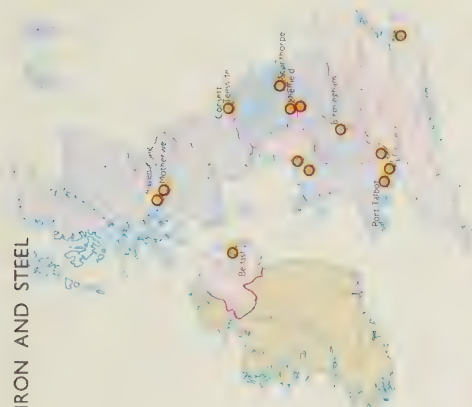
## ELECTRICAL ENGINEERING



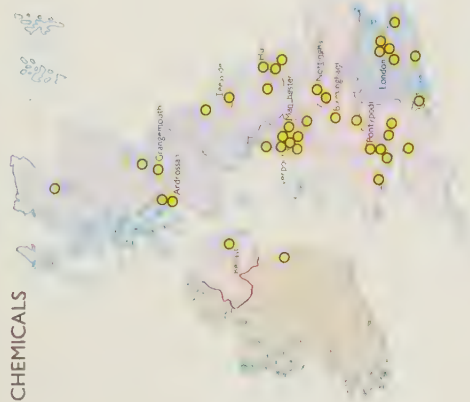
## SHIPBUILDING AND MARINE ENGINEERING



## IRON AND STEEL



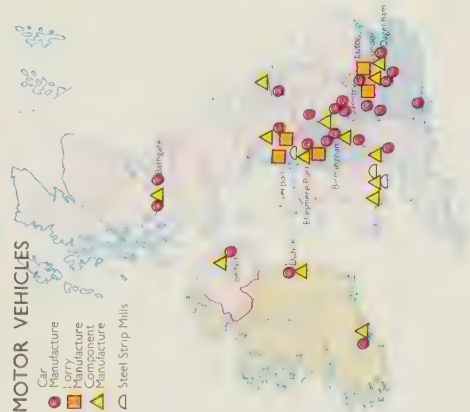
## CHEMICALS



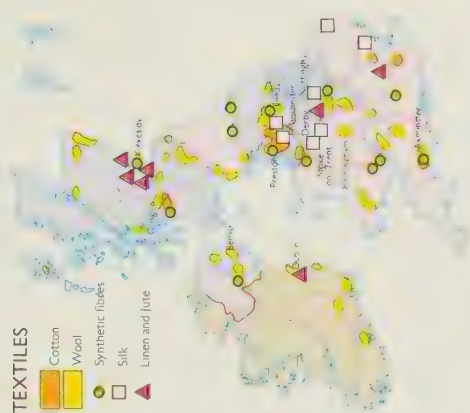
## ALUMINIUM



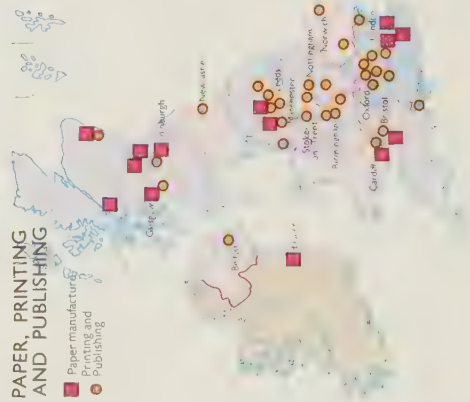
## MOTOR VEHICLES



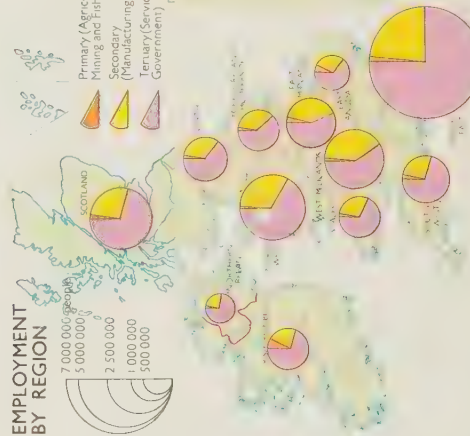
## TEXTILES



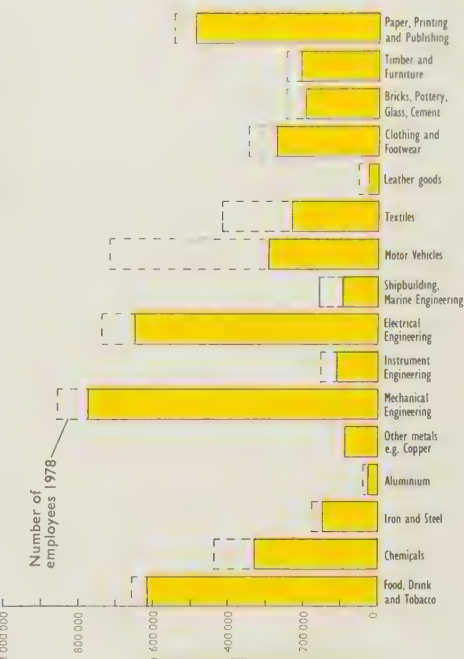
## PAPER, PRINTING AND PUBLISHING



## EMPLOYMENT BY REGION



## TOTAL NUMBER OF EMPLOYEES IN EACH INDUSTRY 1978



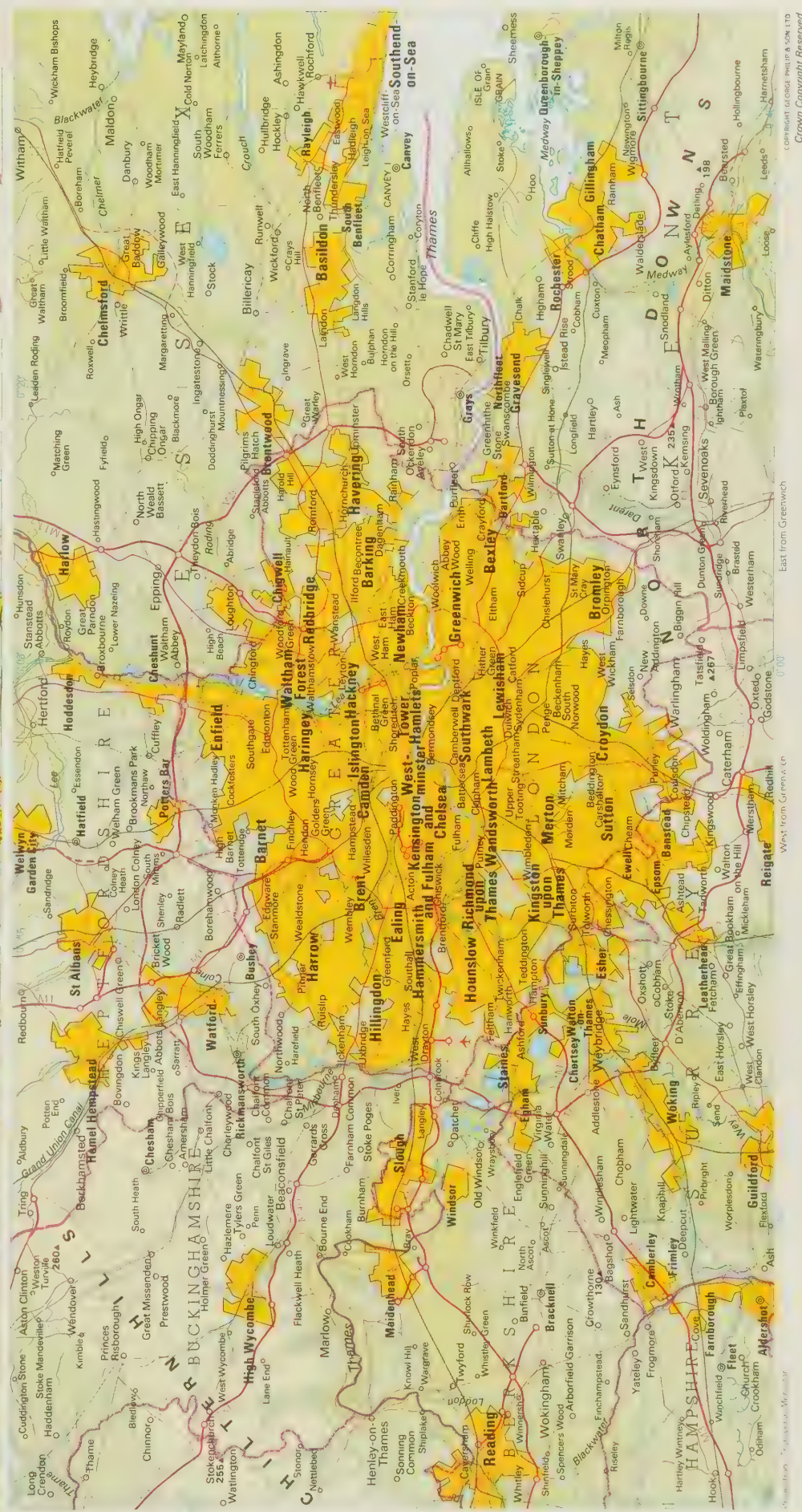
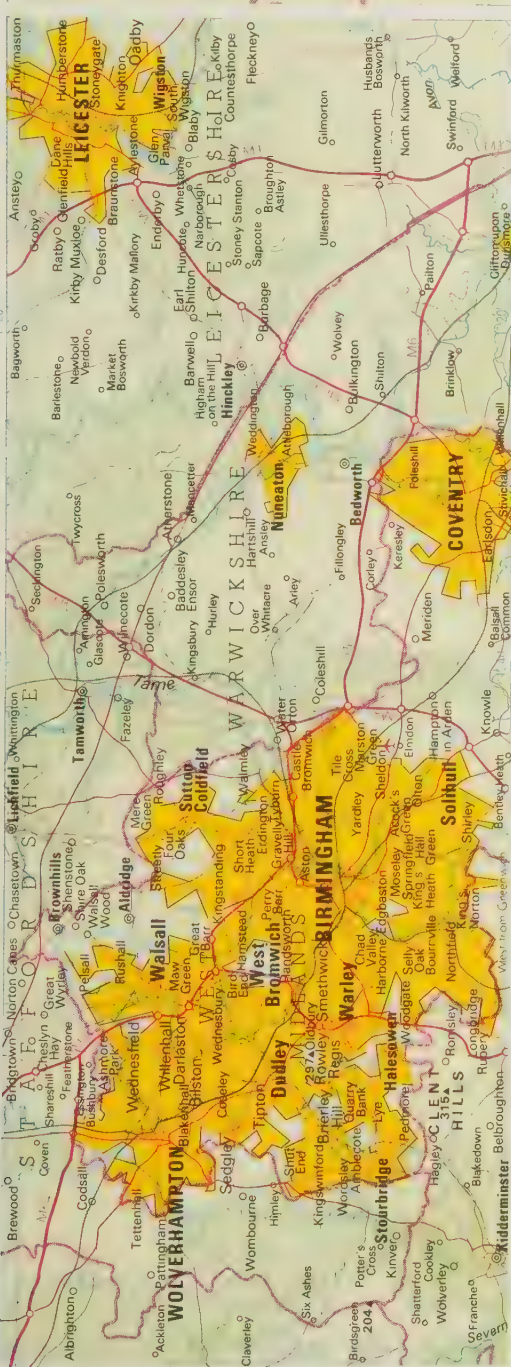
Boundaries on all maps denote Standard Planning Regions. These are coloured to show the number of people employed in a region as a percentage of national employment in that industry. Figures for the Irish Republic are not available.













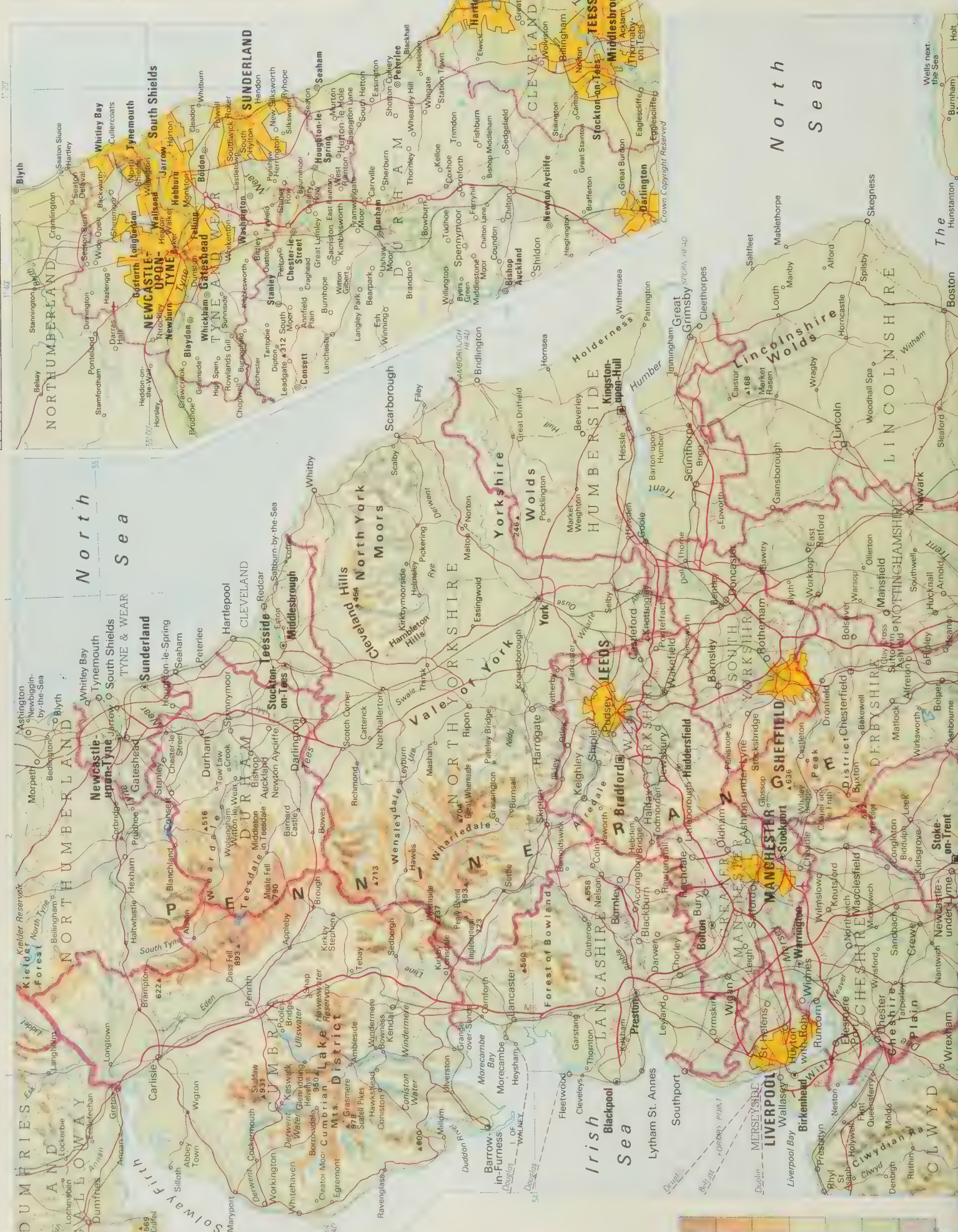




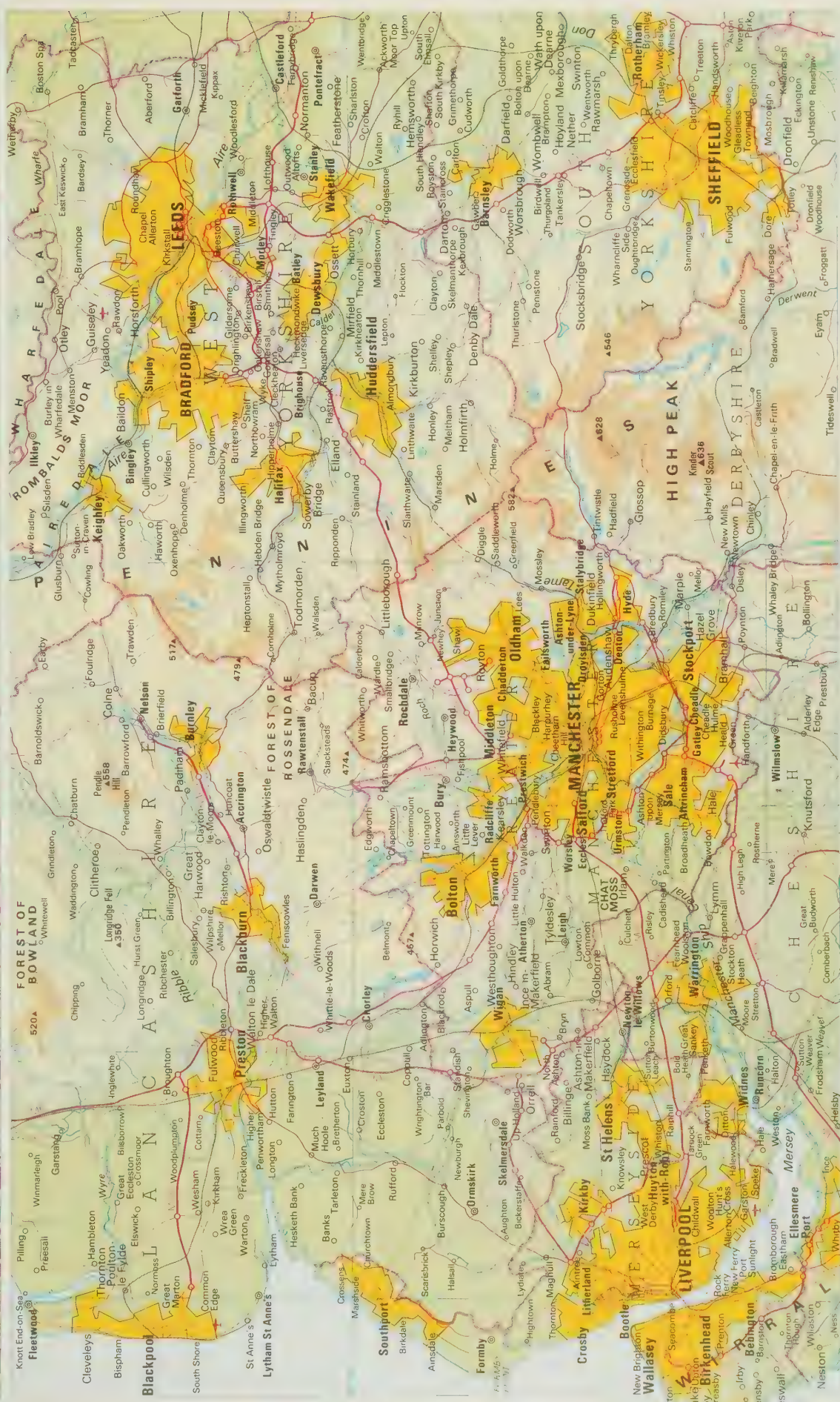
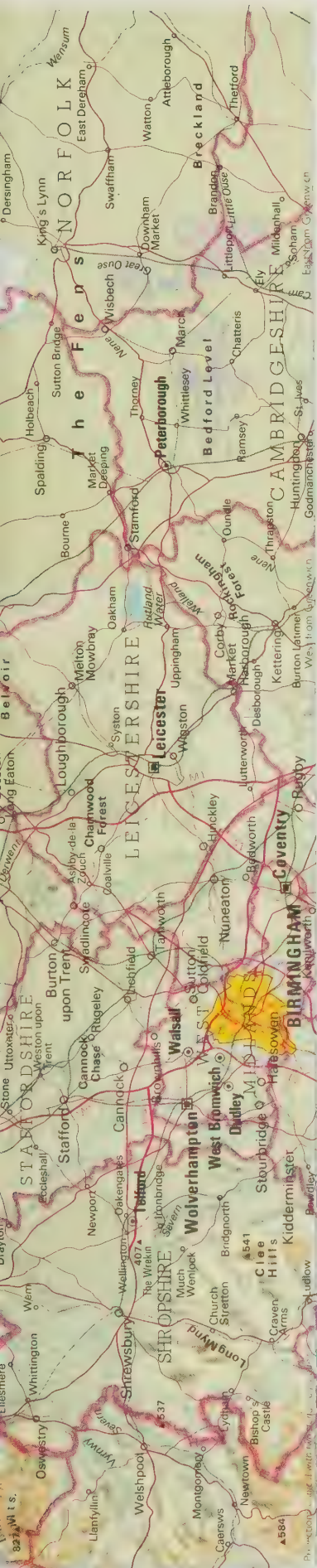




1:500 000







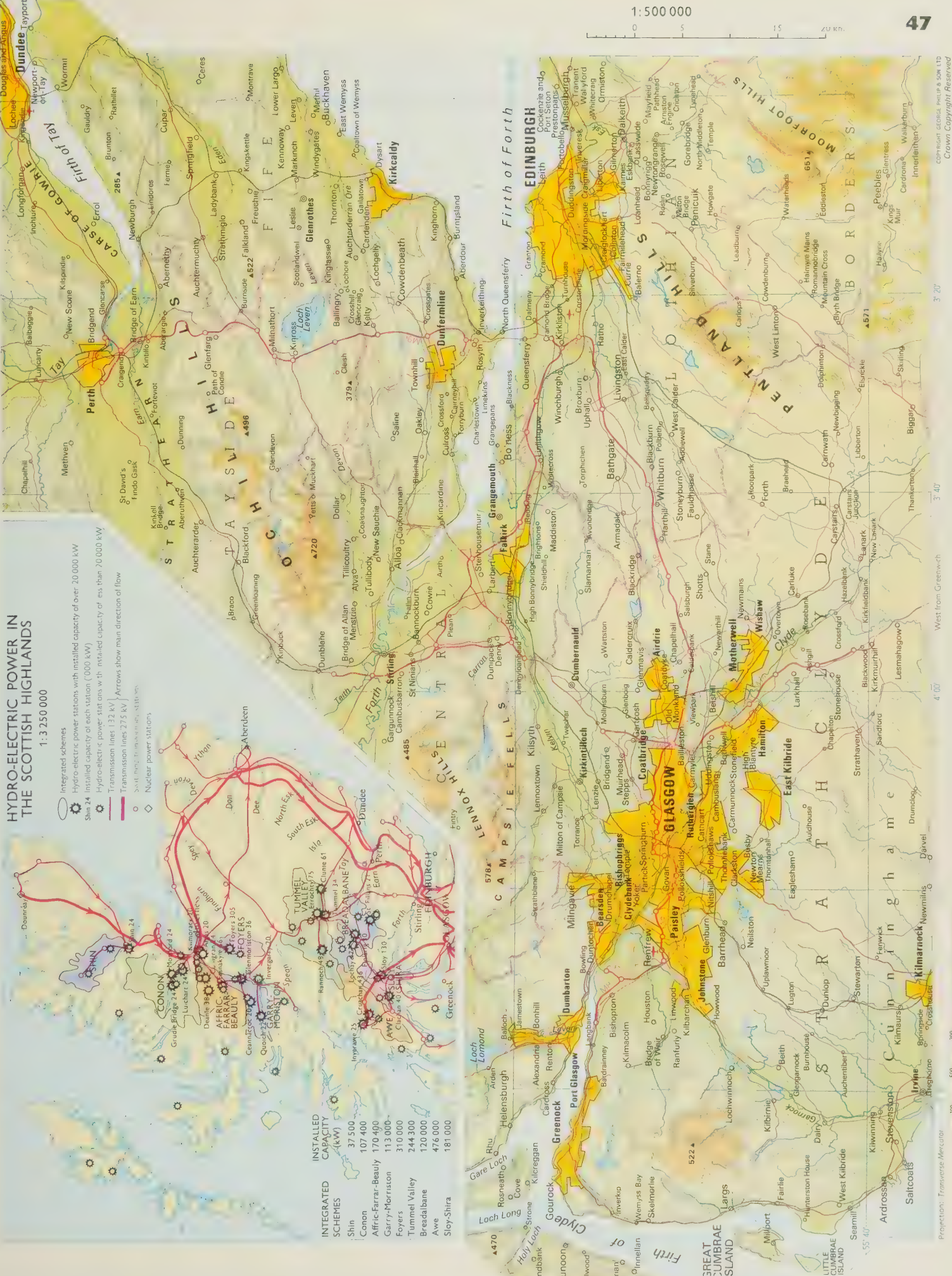






# HYDRO-ELECTRIC POWER IN THE SCOTTISH HIGHLANDS

1:3 250 000



1:500 000







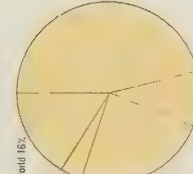
TOURISM

Tourism is one of the fastest growing industries in the world. It has benefited from higher standards of living, increased leisure time, improvements in communication and encouragement by governments. The leading tourist centres are in Europe and N. America although tourism is relatively more important to the economies of some developing countries.

Receipts from tourism 1984 (\$ US in million)

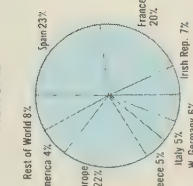
|            |       |
|------------|-------|
| U.S.A.     | 1,386 |
| Italy      | 32    |
| Spain      | 32    |
| France     | 32    |
| U.K.       | 5,546 |
| W. Germany | 131   |
| Austria    | 131   |

FOREIGN TOURISTS IN THE U.K.

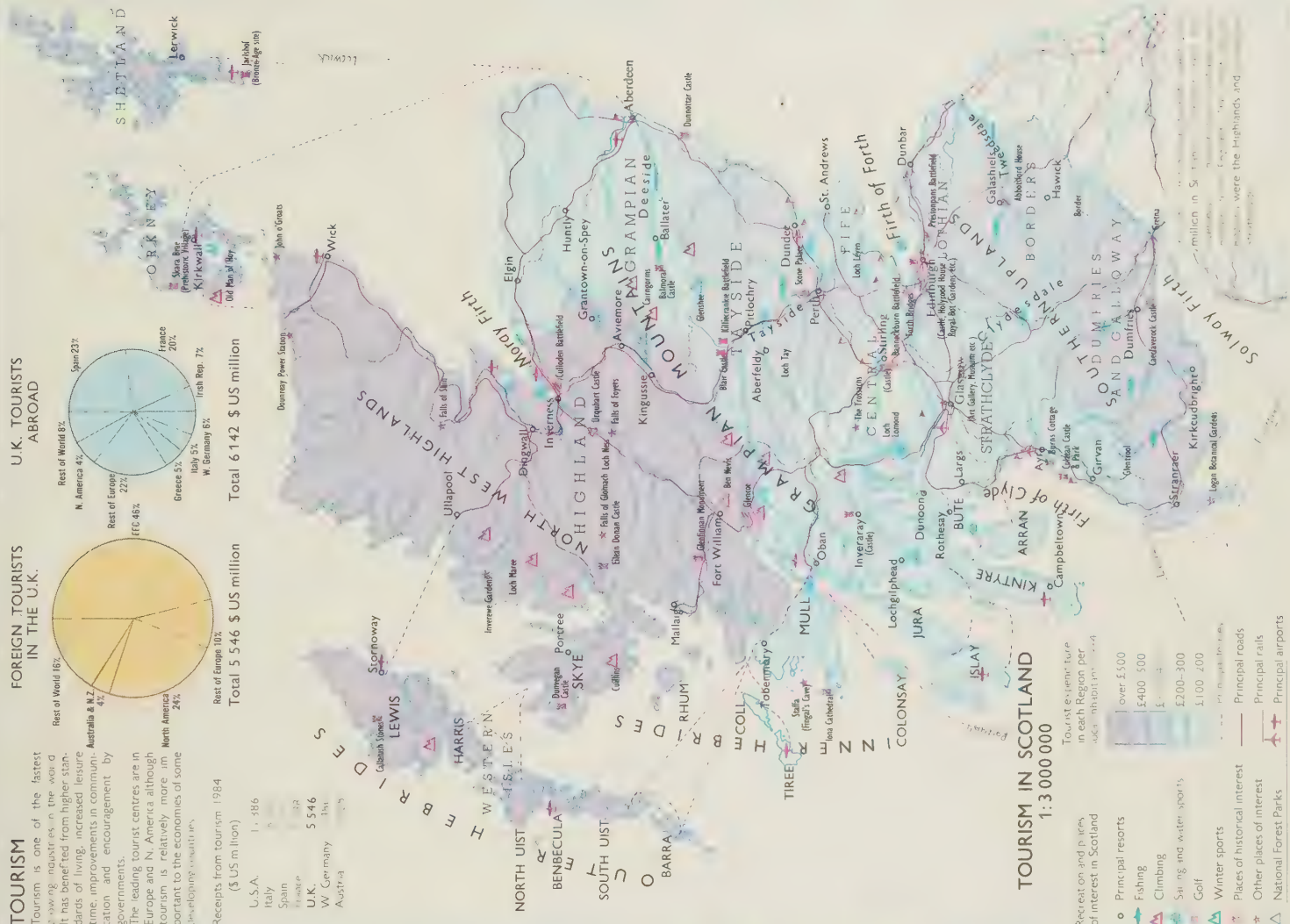


Total \$ 546 \$ US million

U.K. TOURISTS ABROAD

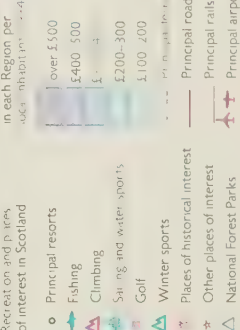


Total \$ 142 \$ US million



TOURISM IN SCOTLAND

1:3 000 000



Fort William paper mill looking west towards Loch Eil

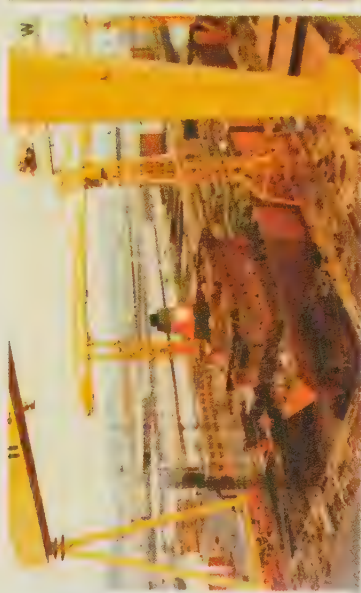


The Cullin Hills seen from Eigel in Skye - popular area for climbing



# AGRICULTURE

1:5 000 000



The Harland and Wolff shipyard in Belfast—Britain's largest single shipyard



Aerial view of Southern Dublin with Trinity College on the left



**CROPS**

Crops and pasture as a % of total area

- 85-100% Potatoes
- 70-85% Oats
- 55-70% Cattle
- 40-55% Sheep
- 25-40% Sugar Beet
- 10-25% Wheat

**LIVESTOCK**

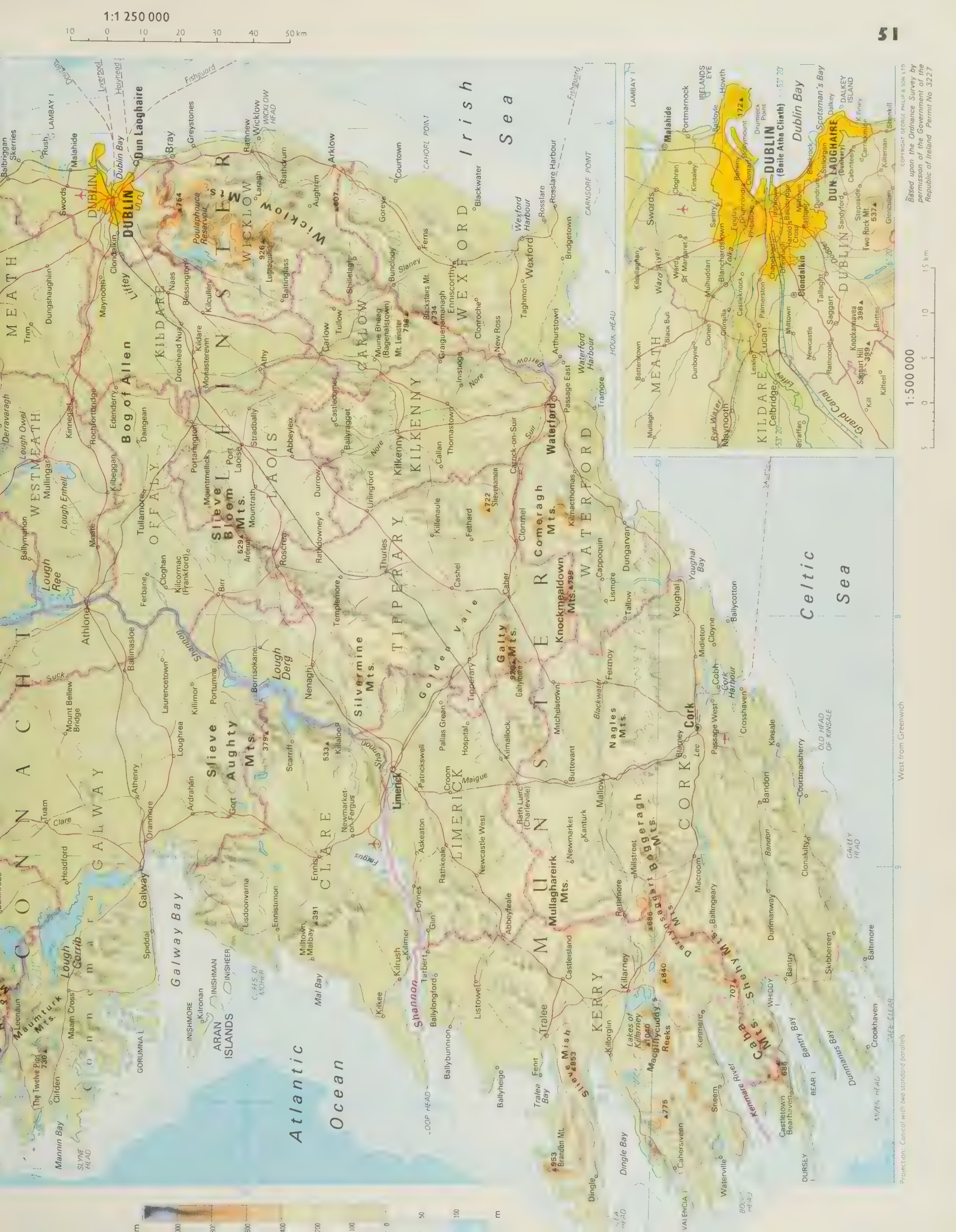
- Dairying
- Cattle
- Sheep
- Pigs
- Poultry

The DISTRICTS of Northern Ireland have been numbered and can be identified by reference to this table.

- 1 Londonderry
- 2 Limavady
- 3 Coleraine
- 4 Ballymoney
- 5 Moyle
- 6 Larne
- 7 Ballymena
- 8 Carrickfergus
- 9 Cookstown
- 10 Strabane
- 11 Omagh
- 12 Fermanagh
- 13 Dungannon
- 14 Craigavon
- 15 Armagh
- 16 Newry & Mourne
- 17 Banbridge
- 18 Down
- 19 Lisburn
- 20 Antrim
- 21 Newtownabbey
- 22 Carrickfergus
- 23 North Down
- 24 Ards
- 25 Castlereagh
- 26 Belfast







Based upon the Ordnance Survey by permission of the Government of the Republic of Ireland. Permit No 3227

1:500 000

West from Greenwich

Projection: Conical with two standard parallels

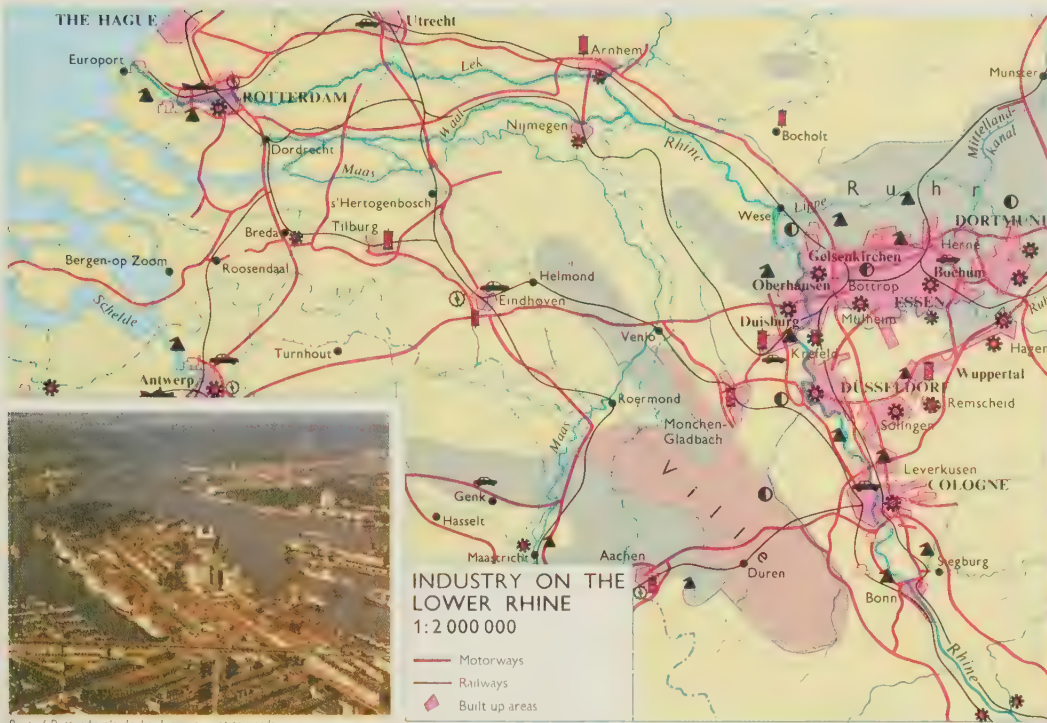




Dairy farming on Holland's polder lands







**MANUFACTURING CENTRES**

- ★ Iron and steel and heavy engineering
- ⚓ Shipbuilding
- 🚗 Vehicles
- 🏭 Textiles
- ⚗️ Chemicals
- ⚡ Electrical engineering
- 🏭 Aluminium smelting

**POWER**

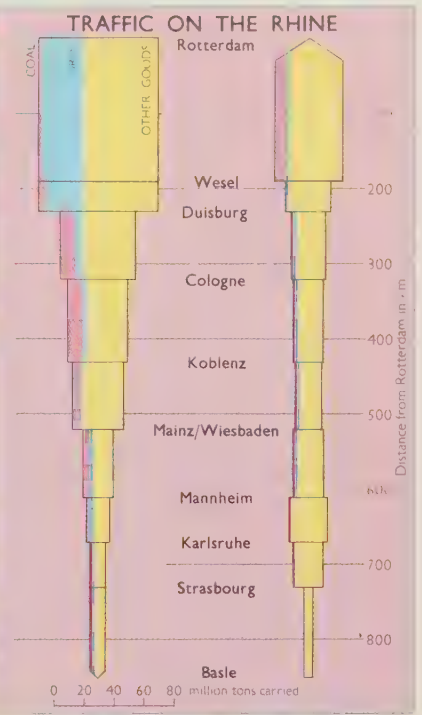
- 🔥 Oilfields
- ⚡ Gasfields
- ⚙️ Coalfields
- 🔥 Lignite fields
- 🏭 Oil refineries
- ⚡ Nuclear power stations
- ⚡ Hydro-electric power stations

**AGRICULTURE**  
1:7 500 000

- 🌾 Intensive arable land
- 🌾 Other arable land
- 🌿 Pastoral land
- 🌲 Woodland
- 🌳 Non productive land

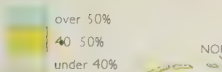
**CROPS**

- 🌾 Wheat
- 🍷 Sugar beet
- 🍎 Fruit and early vegetables
- 🍷 Vines
- 🌿 Tobacco
- 🍷 Hops



**INDUSTRY AND POWER**  
1:7 500 000

**PERCENTAGE OF TOTAL WORKFORCE IN THE INDUSTRIAL SECTOR**

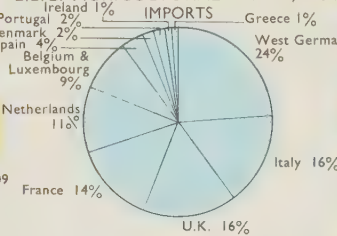


**COMPARISON OF GROSS DOMESTIC PRODUCT**

- 🏭 Mining and manufacturing
- 🏡 Other production and services



**E.E.C. AGRICULTURAL TRADE, 1984**



**PIPELINES**

- Oil pipelines
- Gas pipelines
- RRP Rotterdam Rhine Pipeline
- NWO North West Pipeline
- FAI Trans-Alpine Pipeline
- CEP Central European Pipeline
- TEGP Trans-Europe Gas Pipeline



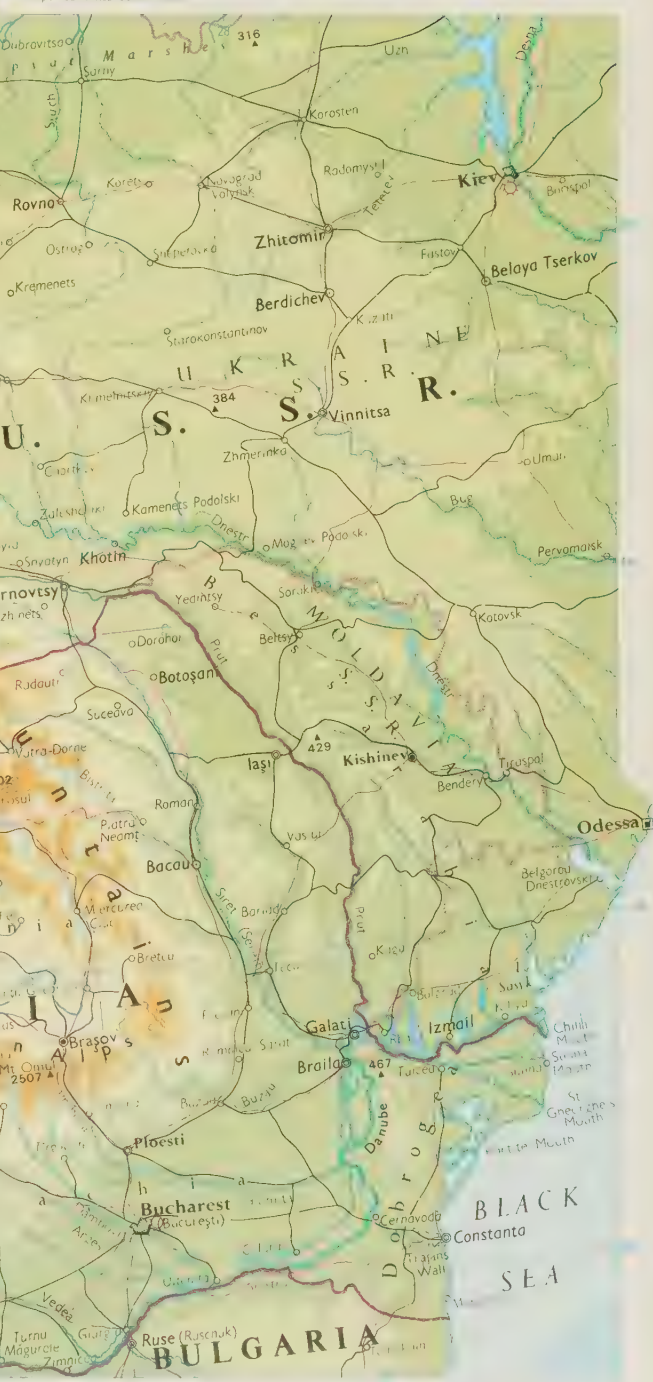








The Alps near Innsbruck in winter





GEOLOGY  
1:14 000 000

- Quaternary
- Cainozoic
- Cretaceous
- Jurassic
- Triassic
- Permian and Carboniferous
- Devonian
- Lower Palaeozoic
- Metamorphic (mainly Pre-Cambrian)
- Intrusive
- Volcanic

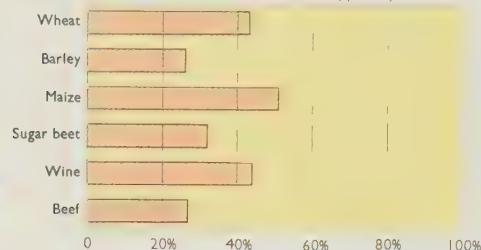




## AGRICULTURE



FRENCH PRODUCTION AS A PERCENTAGE OF E.E.C. PRODUCTION FOR SELECTED AGRICULTURAL GOODS, (1984)



## LAND USE

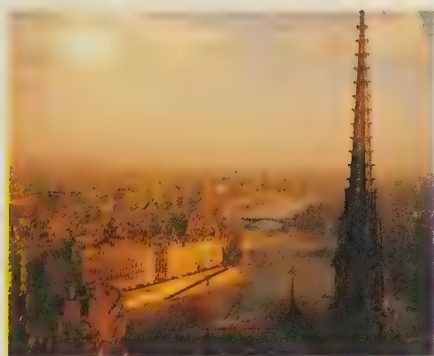
- Arable land
- Permanent pasture
- Vineyards
- Woodland
- Rough grazing land
- Non-productive land
- Northern limit of the vine
- Northern limit of the olive

## CROPS

- Wheat
- Oats
- Maize
- Sugar beet
- Potatoes
- Tobacco
- Fruit and early vegetables

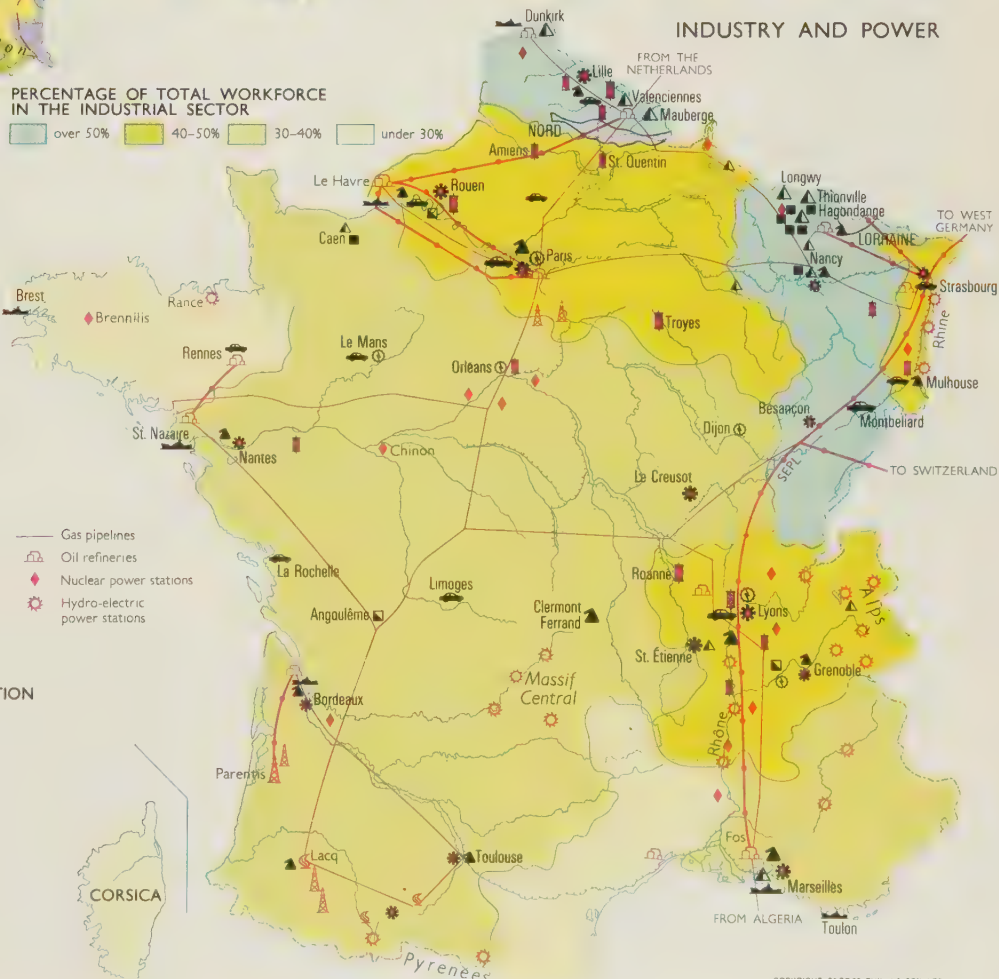
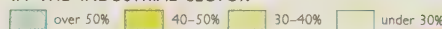


Vineyard near Angoulême, France



Paris looking eastwards from the roof of Notre-Dame

PERCENTAGE OF TOTAL WORKFORCE IN THE INDUSTRIAL SECTOR



## INDUSTRY AND POWER

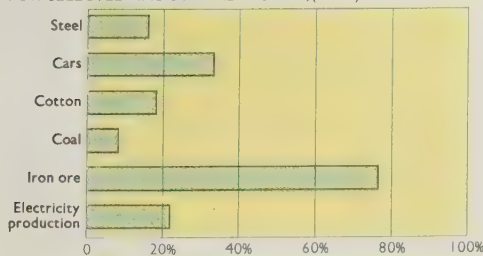
## INDUSTRY

- Iron and steel
- Chemicals
- Heavy engineering
- Electrical engineering
- Vehicles
- Paper
- Shipbuilding
- Iron ore
- Textiles

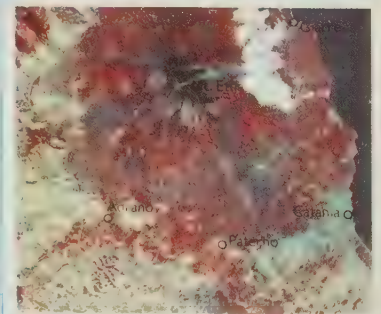
## POWER

- Oilfields
- Gasfields
- Major coalfields
- Oil pipelines
- SEPL South European Pipeline
- Gas pipelines
- Oil refineries
- Nuclear power stations
- Hydro-electric power stations

FRENCH PRODUCTION AS A PERCENTAGE OF E.E.C. PRODUCTION FOR SELECTED INDUSTRIAL GOODS, (1983)







Infra red satellite photograph of Mt. Etna, Sicily. Vegetation shows as red, built-up areas grey and water and bare rocks dark blue. Note the recent lava flows on Mt. Etna.



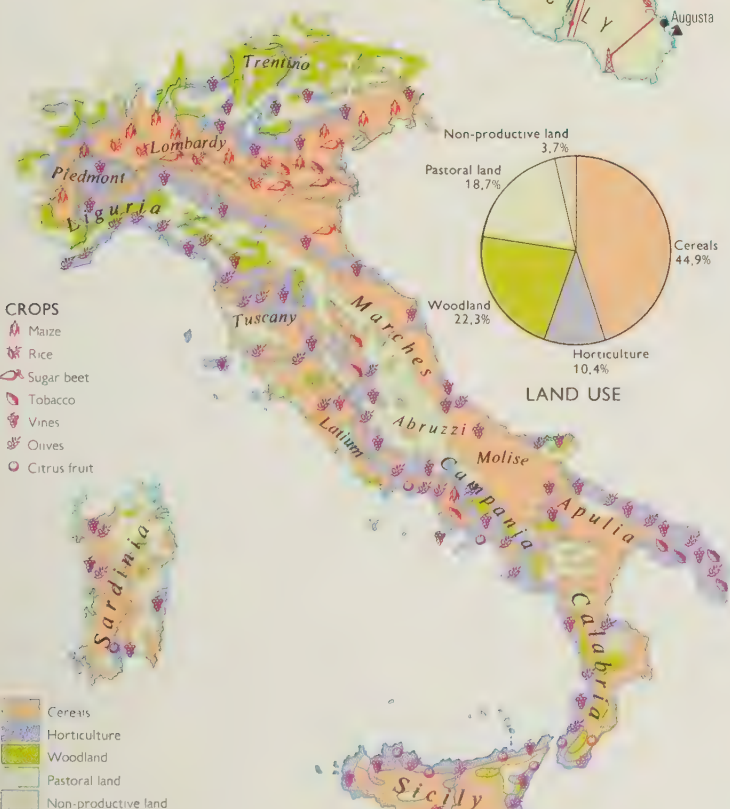
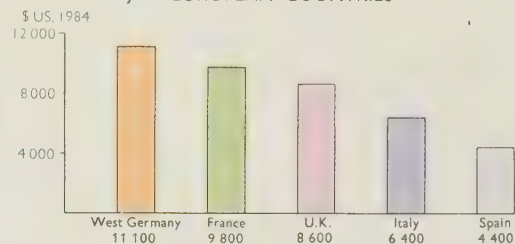
## INDUSTRY AND POWER

1:8 000 000



Fiat's Mirafiori plant in Turin, with the Alps in the distance

## PER CAPITA INCOME IN ITALY AND OTHER MAJOR EUROPEAN COUNTRIES



## AGRICULTURE

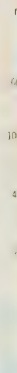
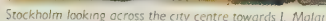
1:10 000 000







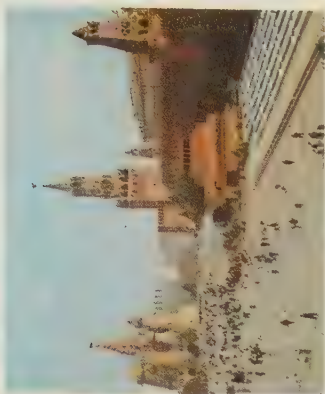








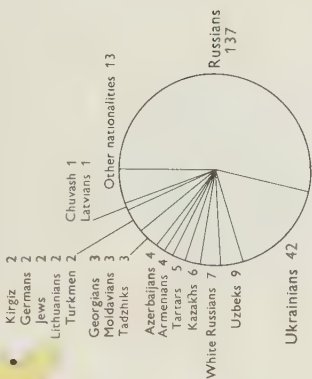




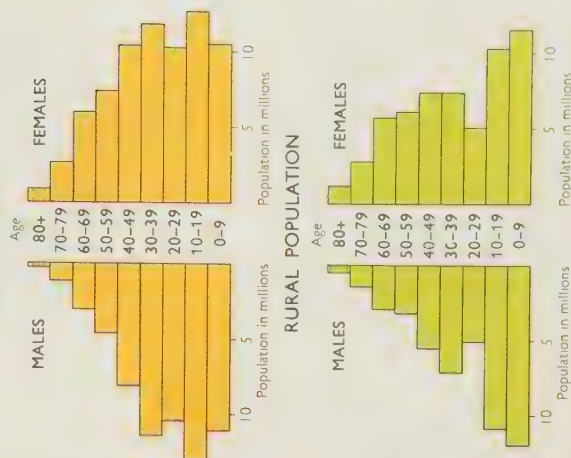
Moscow: The Red Square

### NATIONALITIES OF THE U.S.S.R., 1979

(Population figures in millions)

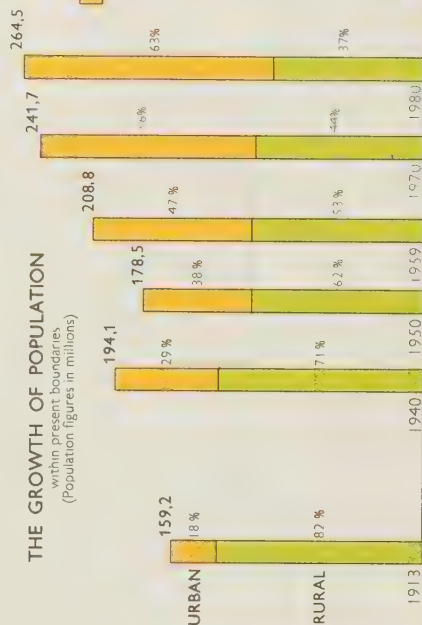


### URBAN AND RURAL POPULATION STRUCTURE



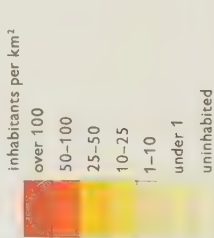
### THE GROWTH OF POPULATION

within present boundaries  
(Population figures in millions)

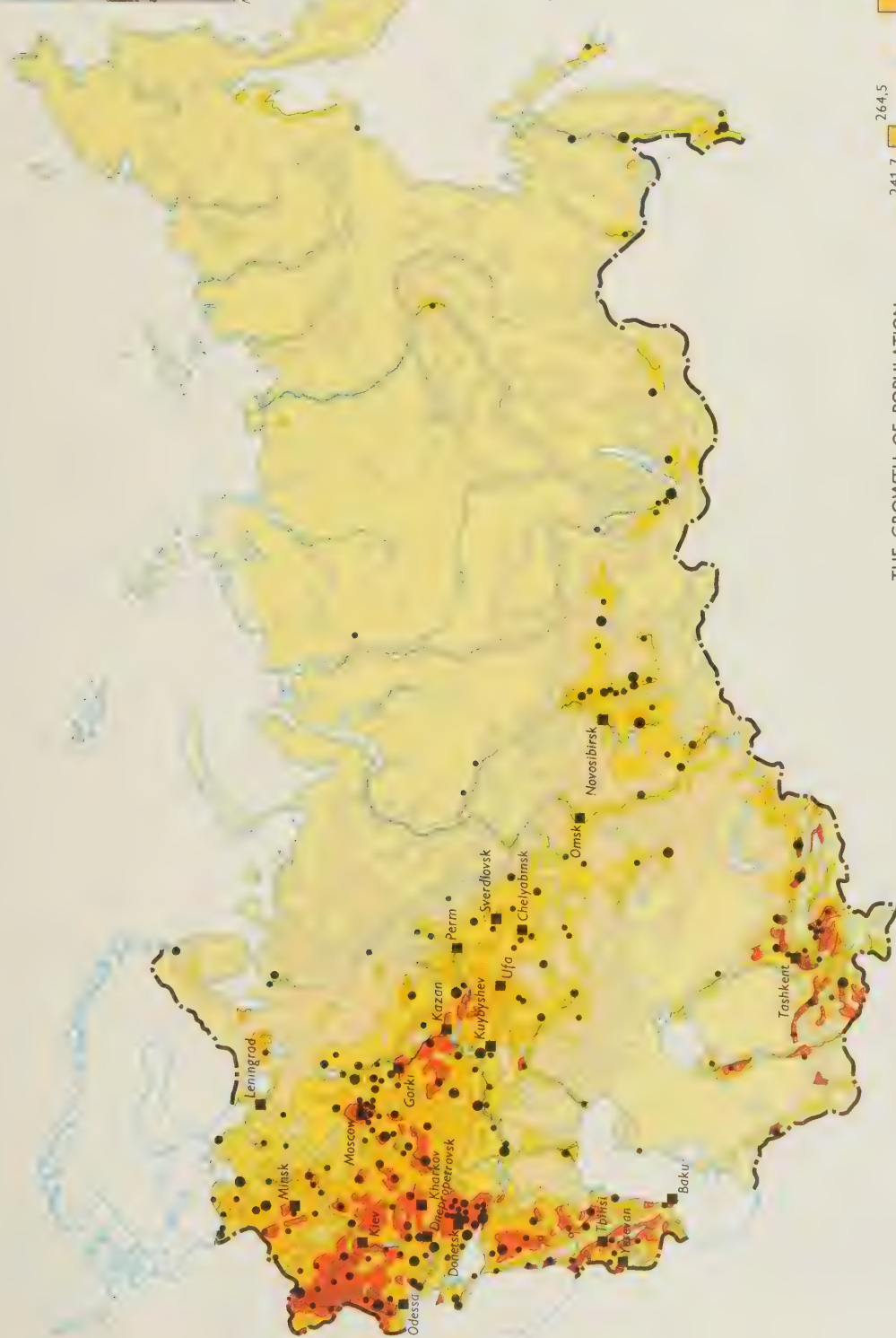
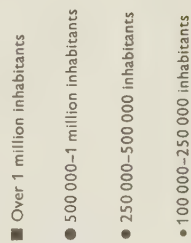


### DENSITY OF POPULATION

inhabitants per km<sup>2</sup>



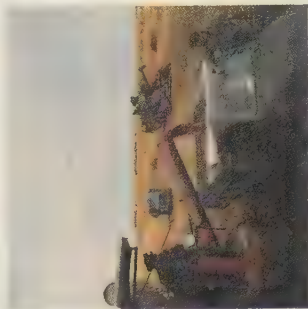
### POPULATION OF CITIES AND TOWNS







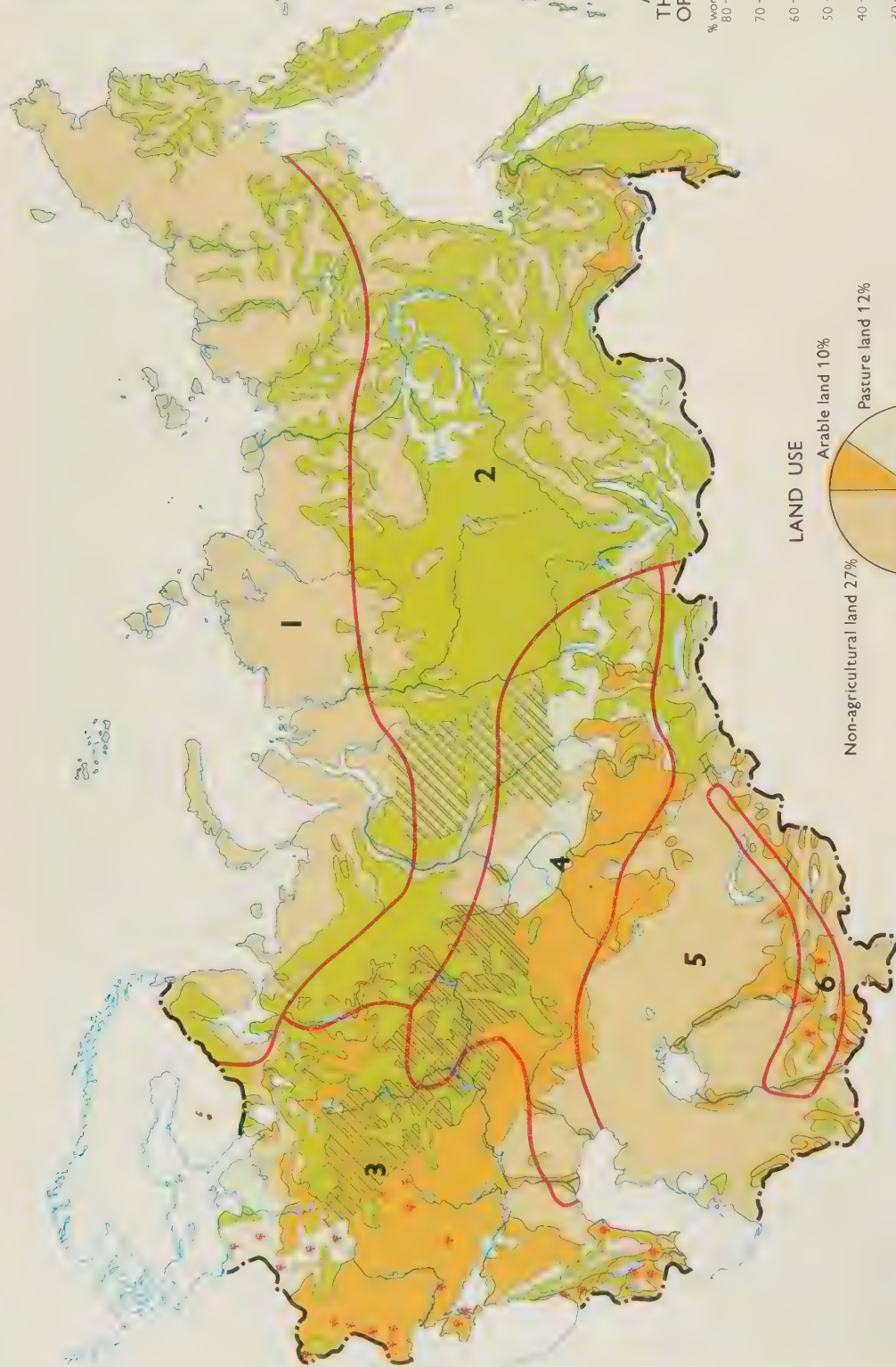
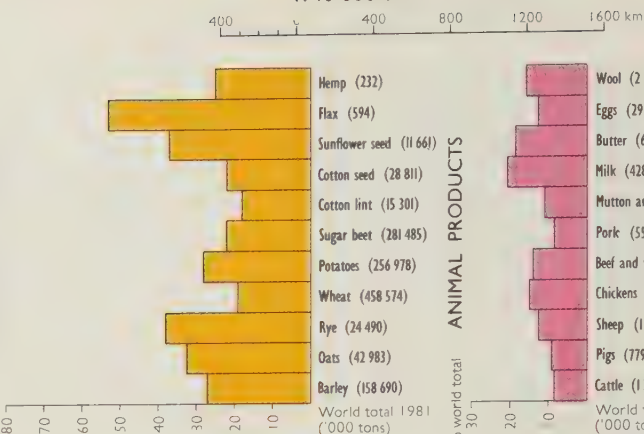
Bin storage of cotton wool Kiev



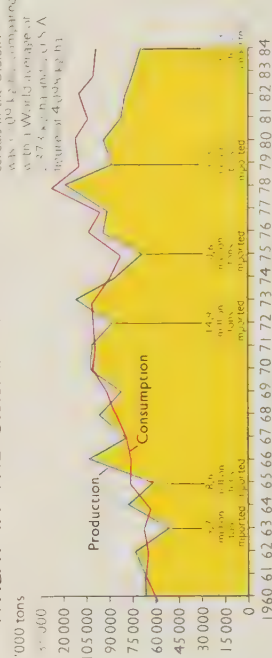
Harvesting wheat on the fields of the Lenin State Farm

# AGRICULTURAL OUTPUT OF THE U.S.S.R. AS A PERCENTAGE OF WORLD PRODUCTION, 1981

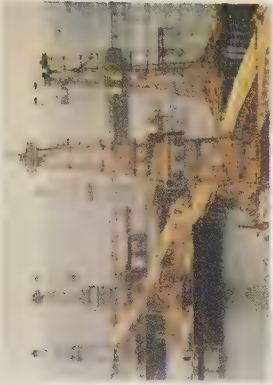
% world total VEGETABLE PRODUCTS



## PRODUCTION AND CONSUMPTION OF WHEAT IN THE U.S.S.R. 1960-1984

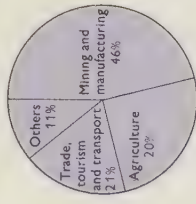




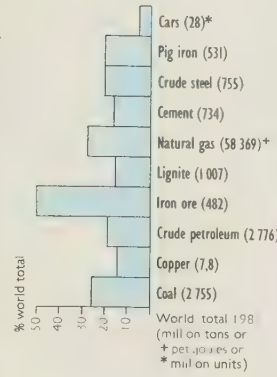


Offshore oil well in the Caspian Sea near Baku

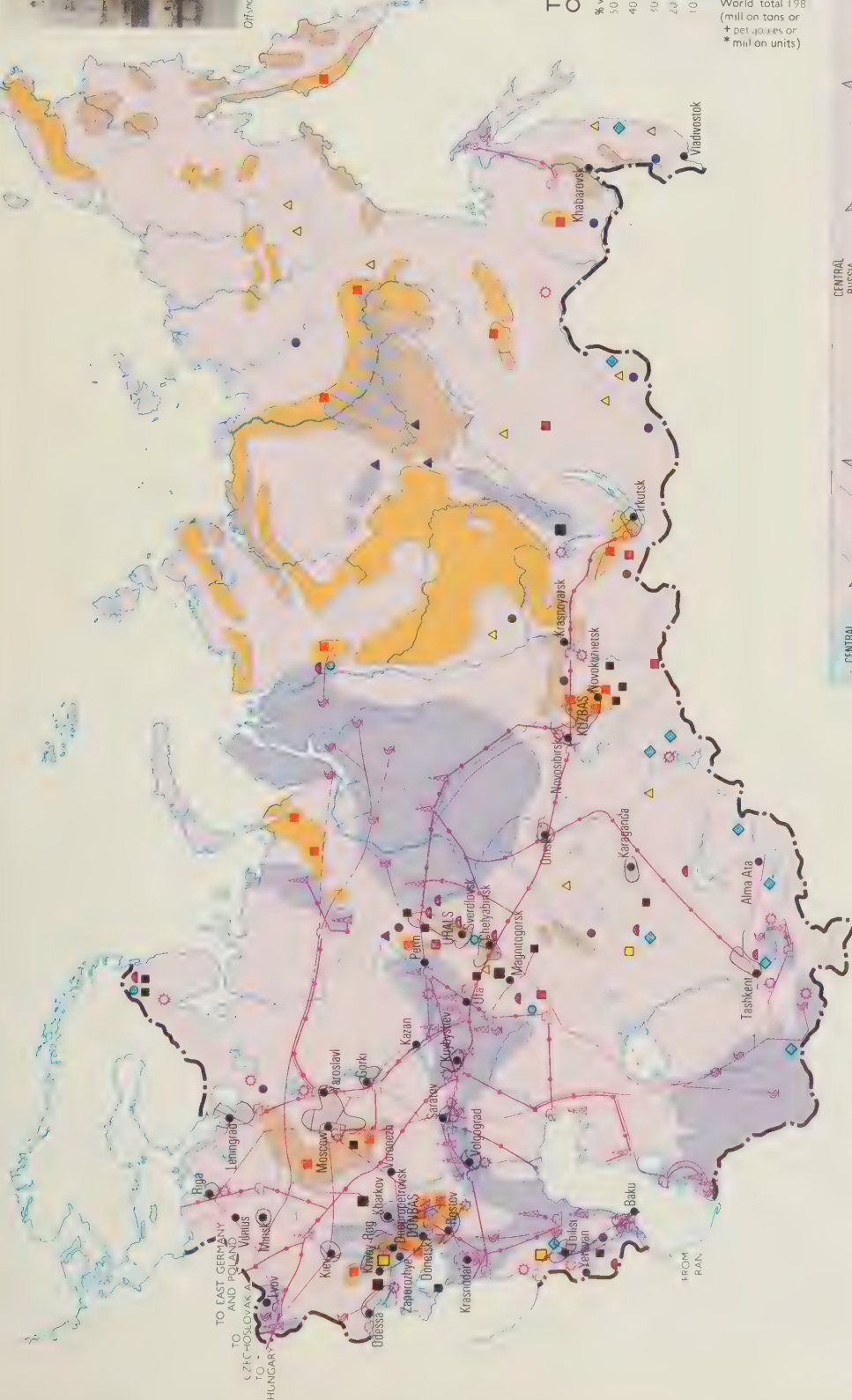
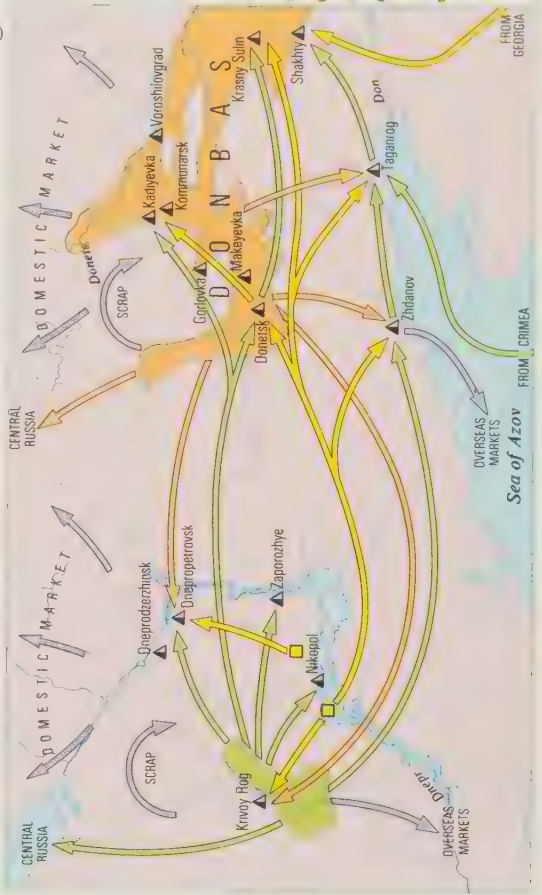
## ORIGINS OF GROSS DOMESTIC PRODUCT IN THE U.S.S.R.



## INDUSTRIAL OUTPUT OF THE U.S.S.R. AS A PERCENTAGE OF WORLD PRODUCTION, 1981



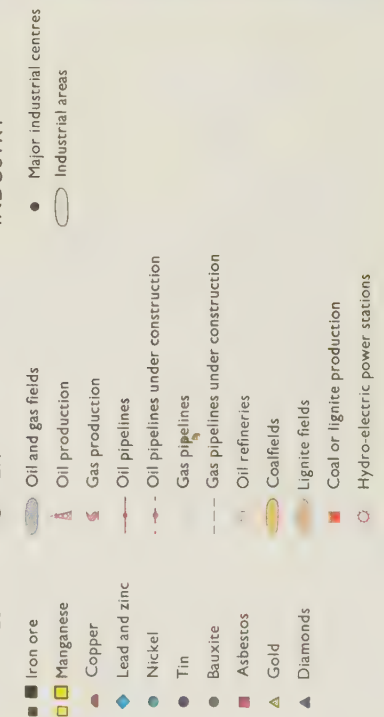
## IRON AND STEEL IN THE EASTERN UKRAINE 1:5 000 000



## INDUSTRY

## POWER

## MINERALS

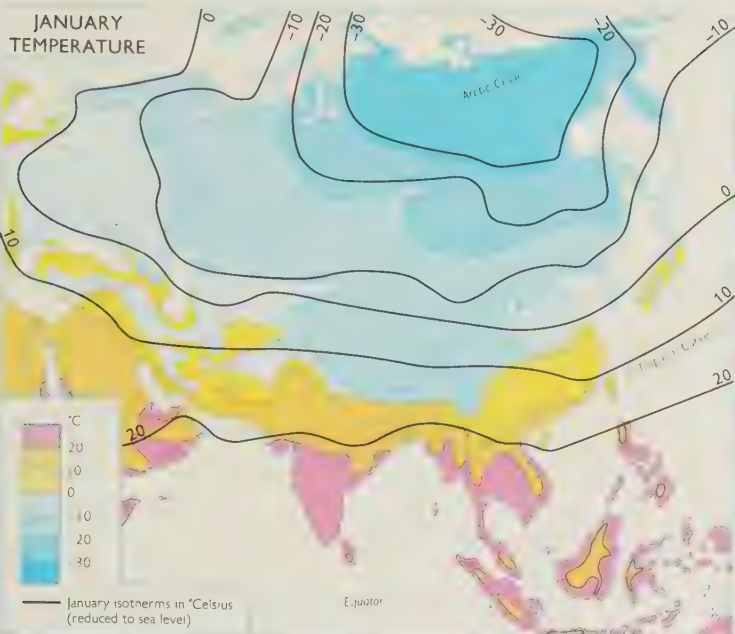




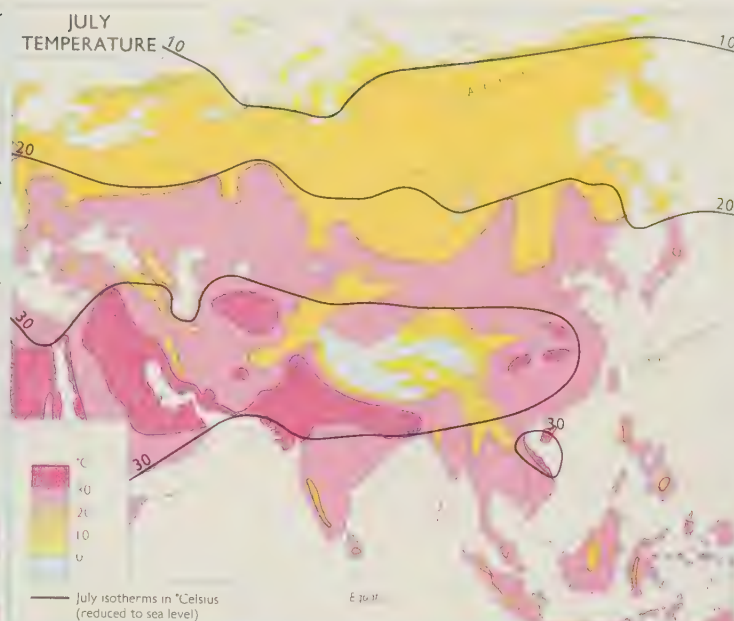
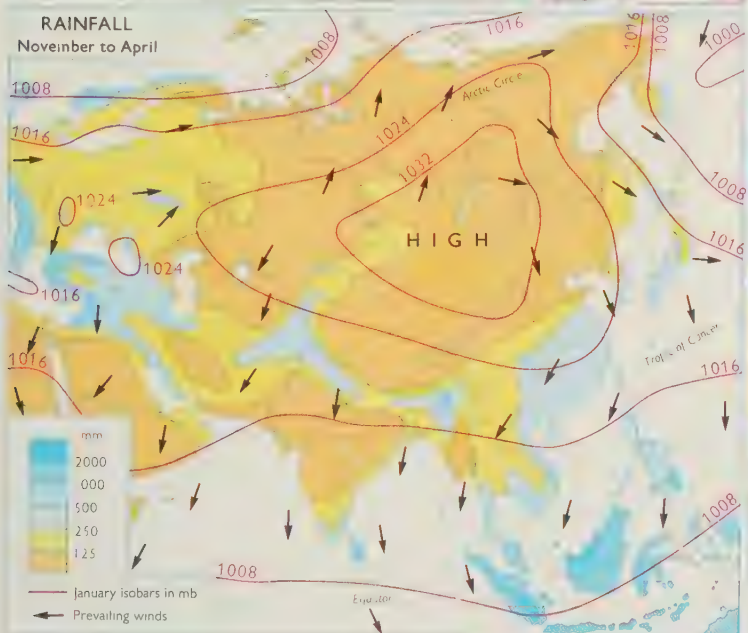
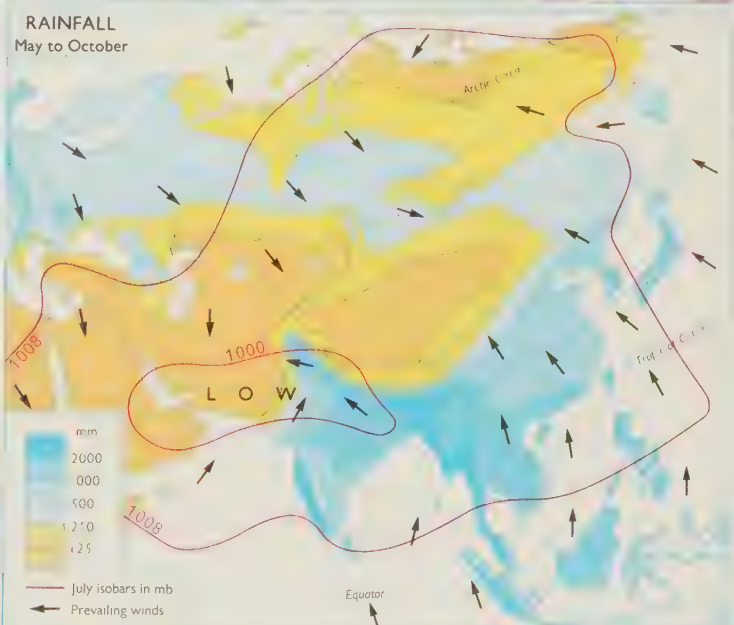




## JANUARY TEMPERATURE



## JULY TEMPERATURE

RAINFALL  
November to AprilRAINFALL  
May to OctoberEVOLUTION OF THE MONSOON  
1:100 000 000

## MONTHLY RAINFALL

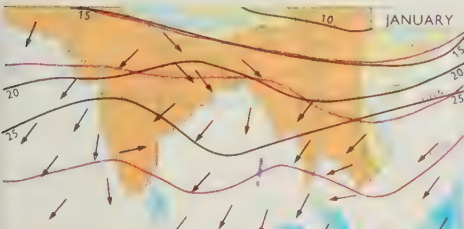


— isotherms in °Celsius (reduced to sea level)

— isobars in mb

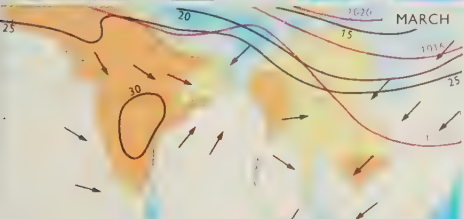
← Prevailing winds

## JANUARY



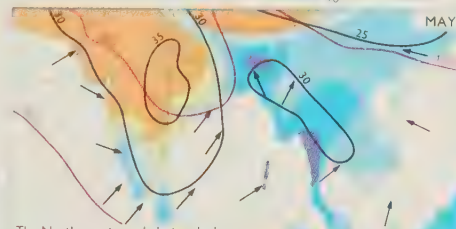
A weak anticyclone in Northern India gives clear skies and North-Easterly winds.

## MARCH



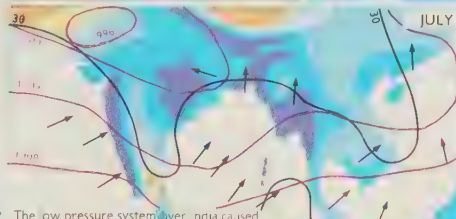
Temperatures increase and the anticyclone subsides slightly, sea breezes bringing rain to coastal areas.

## MAY



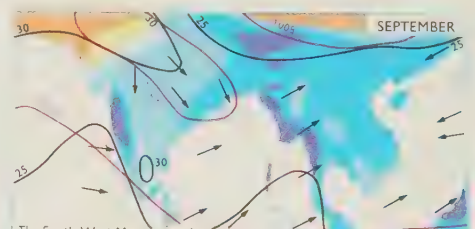
The North is extremely hot and a low pressure area begins to form. The South is cooler with some rain.

## JULY



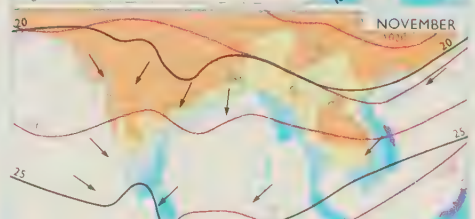
The low pressure system over India caused by the high temperatures brings the South-West Monsoon from the high pressure area in the South Indian Ocean.

## SEPTEMBER



The South-West Monsoon with its strong winds, cloud, rain and cool temperatures begins to retreat from the North-West.

## NOVEMBER



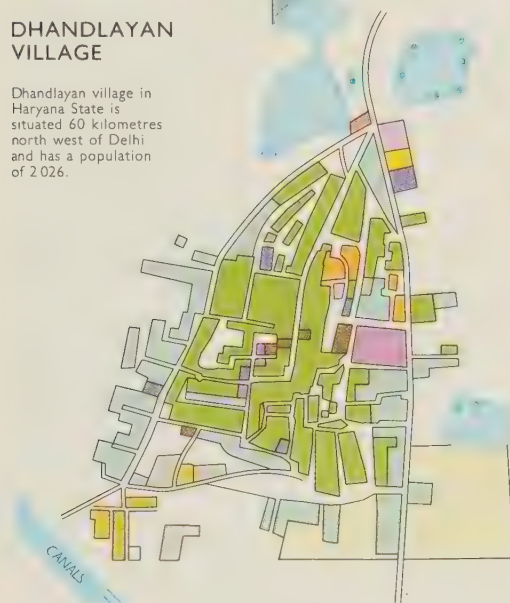
The sub-continent is cool and dry but wet in the South East.



LANGUAGES  
1:110 000 000

## DHANDLAYAN VILLAGE

Dhandlayan village in Haryana State is situated 60 kilometres north west of Delhi and has a population of 2026.



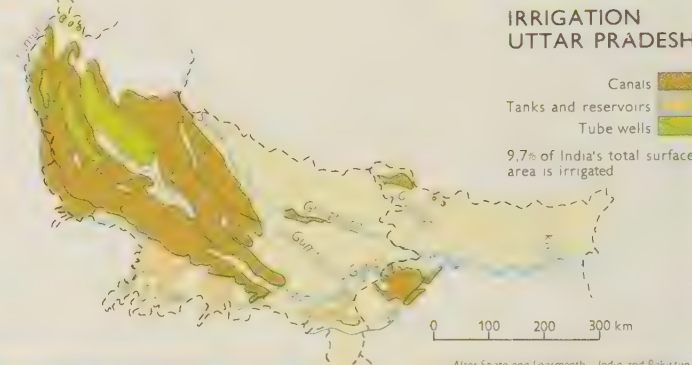
## COMMUNITIES

- Jat, farmers
  - Jat, cattlesheds and enclosures
  - Brahmin
  - Shopkeepers
  - Service class
  - Agricultural labourers
  - Artisans
- SERVICES**
- Chaupal (community centre)
  - Dispensary
  - School
  - Temple
  - Crematorium ground
  - Threshing ground
  - Wells
  - Lakes

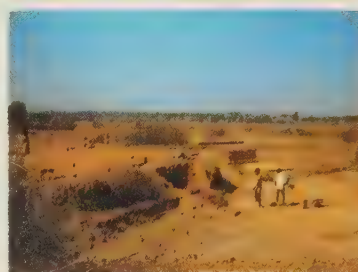
0 50 100 m

After Singh R. L.  
India: A Regional GeographyRELIGIONS  
1:110 000 000IRRIGATION  
UTTAR PRADESH

- Canals
  - Tanks and reservoirs
  - Tube wells
- 9.7% of India's total surface area is irrigated



After Spate and Learmonth: India and Pakistan

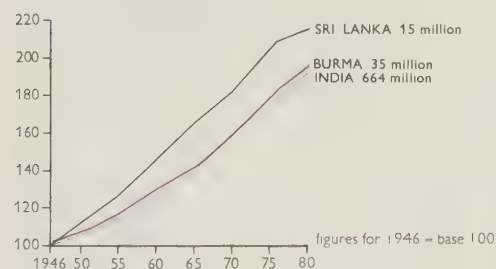


Rural industry, a clay pit for baking house bricks, Ranchi



Urban agriculture, a small dairy to provide the local milk supply near Madras, Tamil Nadu

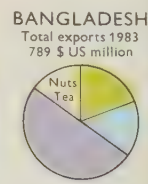
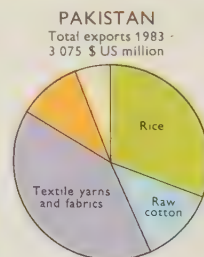
## SOUTH ASIA: POPULATION GROWTH



## SOUTH ASIA: DEMOGRAPHY

|            | Population million | Birth rate per '000 population | Death rate per '000 population | Expectation of life at birth | Population density per km <sup>2</sup> |
|------------|--------------------|--------------------------------|--------------------------------|------------------------------|----------------------------------------|
| India      | 732.3              | 33.8                           | 11.9                           | 55                           | 223                                    |
| Bangladesh | 94.7               | 44.8                           | 17.5                           | 50                           | 657                                    |
| Pakistan   | 89.7               | 44.4                           | 9.6                            | 50                           | 112                                    |
| Burma      | 36.8               | 30.5                           | 11.0                           | 55                           | 54                                     |
| Nepal      | 15.7               | 41.7                           | 18.4                           | 46                           | 112                                    |
| Sri Lanka  | 15.4               | 26.2                           | 6.1                            | 69                           | 234                                    |

## SOUTH ASIA: EXPORTS



The area of the circles is in proportion to the total trade of each country

## COMMODITY GROUPS

- Food and live animals
- Crude materials excluding fuels
- Basic manufactures
- Machinery and other manufactures
- Others : beverages, mineral fuels, chemicals, edible oils and fats

Exports from selected South Asian countries are illustrated by proportional circles divided into principal commodity groups: the main goods in each group are shown.



## POWER

- Coalfields
- Coal production major/minor
- Oilfield
- Oil refineries
- Gasfields
- Hydro-electric power stations major/minor
- Nuclear power stations
- Thermal power stations

## MINERALS

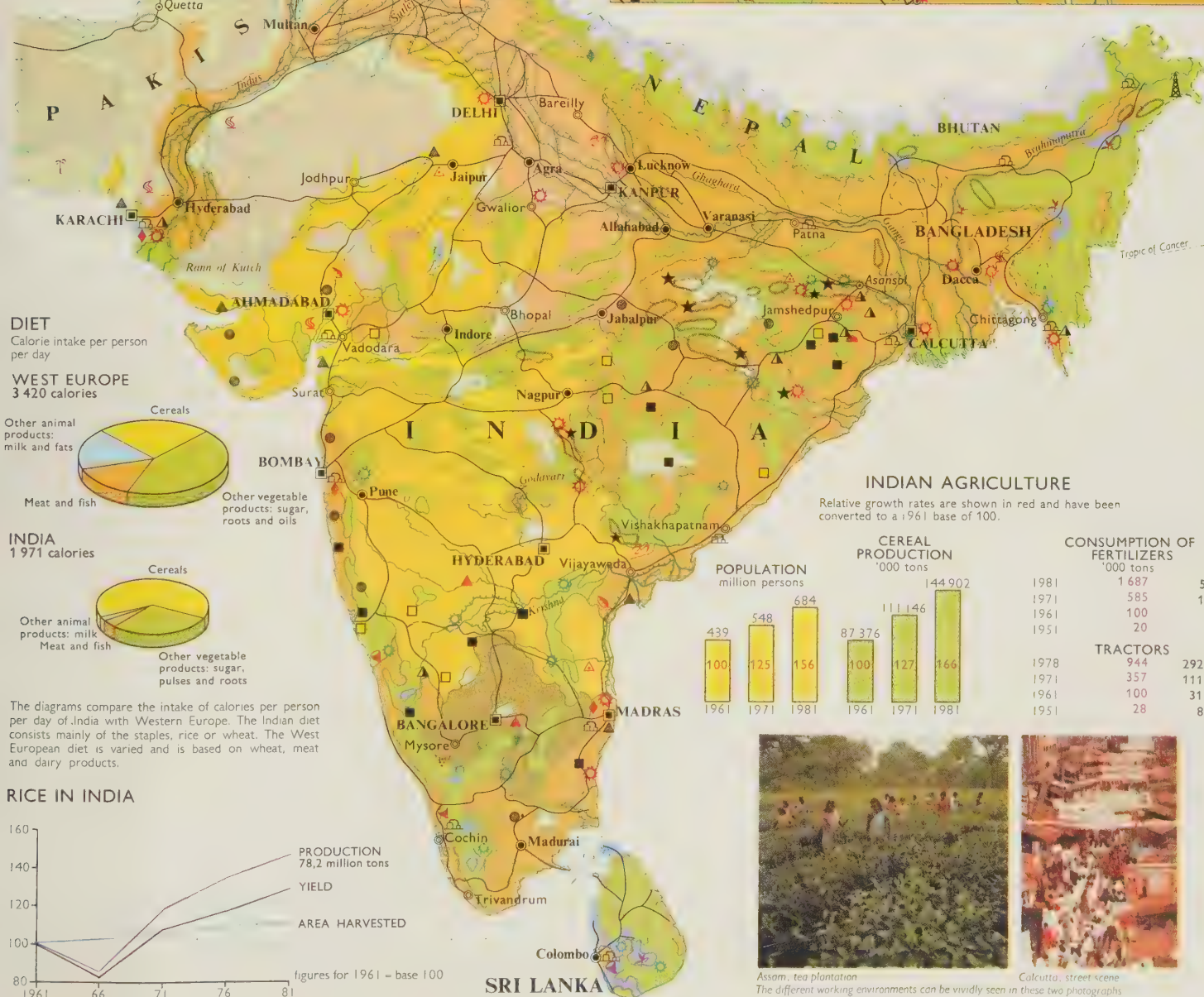
- Iron ore
- Gold
- Manganese
- Bauxite
- Magnesite
- Copper
- Mica
- Salt
- Steel mills

## LAND USE

- Forest
- Tree crops
- Arable with rice predominant
- Arable with wheat and pulses predominant
- Arable with groundnuts predominant
- Arable with cotton predominant
- Arable with millets predominant
- Extensive pasture
- High mountain pasture
- Unproductive
- Irrigation canals

## MAIN CASH CROPS

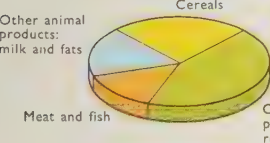
- Tobacco
- Coffee
- Tea
- Sugar
- Copra
- Dates
- Jute



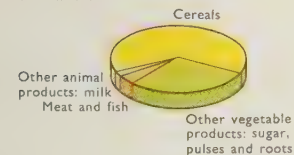
## DIET

Calorie intake per person per day

WEST EUROPE  
3 420 calories

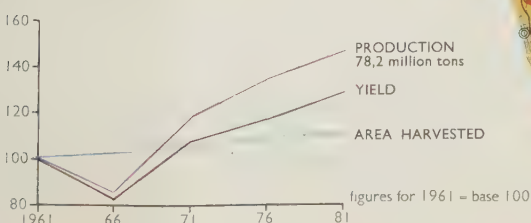


INDIA  
1 971 calories



The diagrams compare the intake of calories per person per day of India with Western Europe. The Indian diet consists mainly of the staples, rice or wheat. The West European diet is varied and is based on wheat, meat and dairy products.

## RICE IN INDIA



## INDIAN AGRICULTURE

Relative growth rates are shown in red and have been converted to a 1961 base of 100.

| CEREAL PRODUCTION '000 tons |         |     | CONSUMPTION OF FERTILIZERS '000 tons |       |         |
|-----------------------------|---------|-----|--------------------------------------|-------|---------|
| 1981                        | 144 902 | 166 | 1 687                                | 5 231 |         |
| 1971                        | 111 146 | 127 | 585                                  | 1 813 |         |
| 1961                        | 87 376  | 100 | 100                                  | 310   |         |
| 1951                        | 439     | 125 | 20                                   | 63    |         |
| POPULATION million persons  |         |     | TRACTORS                             |       |         |
| 1981                        | 684     | 156 | 1978                                 | 944   | 292 680 |
| 1971                        | 548     | 125 | 1971                                 | 357   | 111 000 |
| 1961                        | 439     | 100 | 1961                                 | 100   | 31 010  |
| 1951                        | 361     | 83  | 1951                                 | 28    | 8 635   |



Assam, tea plantation



Calcutta, street scene

The different working environments can be vividly seen in these two photographs





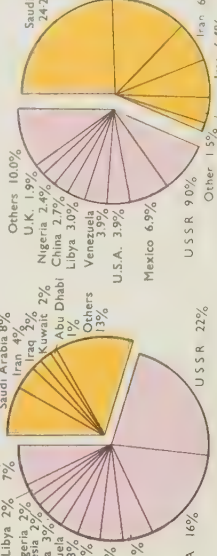




MIDDLE EAST OIL

**CRUDE OIL PRODUCTION**  
World total 1984 2 698 million tons

**CRUDE OIL RESERVES**  
World reserves 1984 96 499 million tons



East from Greenwich

Projection: Albers Equal Area with two standard parallels











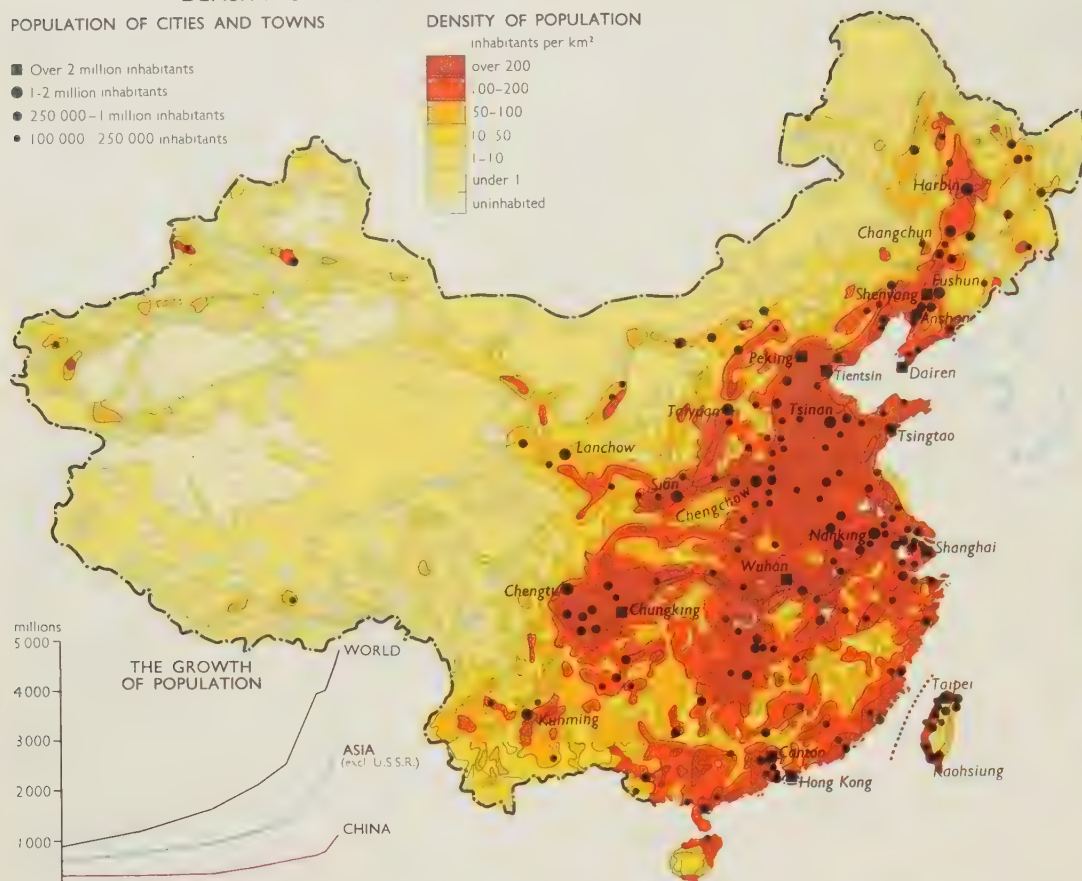
## DENSITY OF POPULATION

### POPULATION OF CITIES AND TOWNS

- Over 2 million inhabitants
- 1-2 million inhabitants
- 250 000-1 million inhabitants
- 100 000-250 000 inhabitants

### DENSITY OF POPULATION

- inhabitants per km<sup>2</sup>
- over 200
  - 100-200
  - 50-100
  - 10-50
  - 1-10
  - under 1
  - uninhabited



Tuchung oil storage



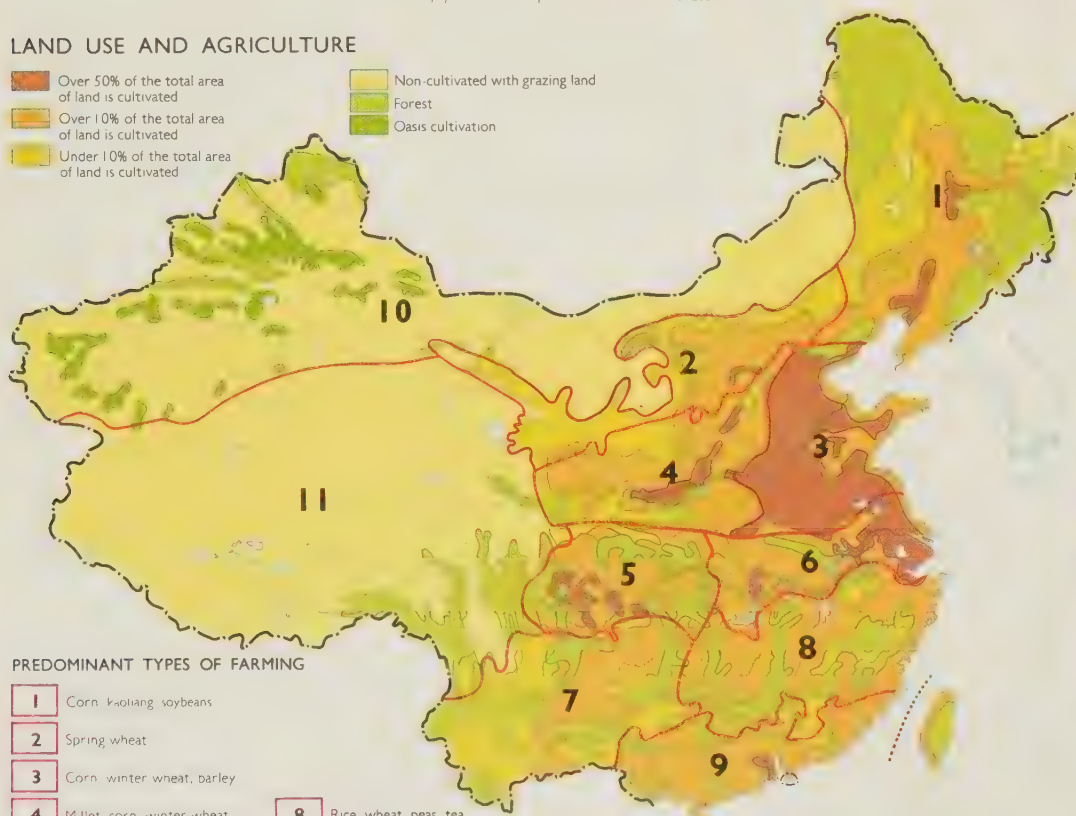
Paddy rice cultivation



Peking The Forbidden City

## LAND USE AND AGRICULTURE

- Over 50% of the total area of land is cultivated
- Over 10% of the total area of land is cultivated
- Under 10% of the total area of land is cultivated
- Non-cultivated with grazing land
- Forest
- Oasis cultivation



### PREDOMINANT TYPES OF FARMING

- |   |                            |    |                                                       |
|---|----------------------------|----|-------------------------------------------------------|
| 1 | Corn, soya beans           | 8  | Rice, wheat, peas, tea                                |
| 2 | Spring wheat               | 9  | Two rice crops, wheat, sugar cane                     |
| 3 | Corn, winter wheat, barley | 10 | Grassland with diverse agriculture in irrigated areas |
| 4 | Millet, corn, winter wheat | 11 | Non-agricultural land with rough grazing              |
| 5 | Rice, wheat, rape, peas    |    |                                                       |
| 6 | Rice, winter wheat         |    |                                                       |
| 7 | Rice, wheat, beans         |    |                                                       |

## CHILIYING PEOPLE'S COMMUNE



### INDUSTRY

- ▲ Flour mill
- ⚙ Light engineering
- ⚙ Agricultural machinery
- ⚙ Cotton mill
- ▼ Fertilizers

### AGRICULTURE

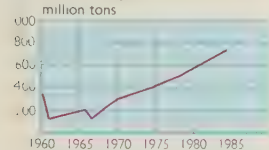
- ⌘ Winter wheat
- ⌘ Maize
- ⌘ Millet
- ⌘ Cotton



**COAL**

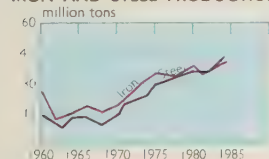
- Coalfields, near the surface  
 — Coalfields, deeply buried

- ★ Important production centres  
 ★ Other production centres

**COAL PRODUCTION****IRON AND STEEL**

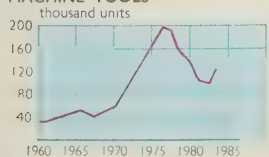
- ▲ Iron and steel plants (major centres underlined)  
 ▲ Iron plant  
 ▲ Steel plant

- Iron ore  
 □ Coking coal

**IRON AND STEEL PRODUCTION****MACHINERY**

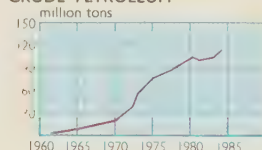
- Railway equipment  
 ★ Mining machinery  
 □ Textile machinery

- Agricultural machinery  
 ● Diversified  
 ● Machine tools  
 ● Shipbuilding  
 ● Motor vehicles

**MACHINE TOOLS****PETROLEUM**

- ▲ Oilfields  
 ▲ Oil refineries  
 — Oil pipelines

- ◆ Gasfields  
 ◆ Oil shale  
 ▲ Oil shale refinery  
 ◆ Uranium

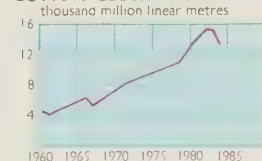
**CRUDE PETROLEUM****NON-FERROUS MINERALS****PRODUCTION '000 tons**

|             | 1949 | 1956 | 1965 | 1974 | 1983  | % world production |
|-------------|------|------|------|------|-------|--------------------|
| ▲ Tungsten  | 7    | 11   | 10   | 11   | 12.5  | 32                 |
| ▲ Antimony  | 3    | 13   | 15   | 12   | 13.0  | 27                 |
| ● Tin       | 5    | 14   | 24   | 23   | 17.5  | 8                  |
| ● Bauxite   | —    | 150  | 400  | 600  | 1 900 | 2                  |
| ■ Manganese | 51   | 158  | 300  | 300  | 1 800 | 7                  |
| □ Copper    | 5    | 12   | 90   | 150  | 175   | 2                  |
| ● Mercury   | —    | 0.6  | 0.9  | 1    | 0.85  | 14                 |

|              | 1949 | 1956 | 1965  | 1974  | 1983  | % world production |
|--------------|------|------|-------|-------|-------|--------------------|
| ◆ Lead       | 2    | 35   | 100   | 140   | 160   | 5                  |
| ◆ Zinc       | 0    | 35   | 100   | 135   | 160   | 2                  |
| ◆ Molybdenum | —    | 1.2  | 1.5   | 1.5   | 2.0   | 3                  |
| ◆ Magnesite  | —    | —    | 1 000 | 1 000 | 2 000 | 18                 |

**TEXTILES**

- Cotton  
 □ Linen  
 ★ Wool  
 ◆ Silk

**COTTON CLOTH PRODUCTION**

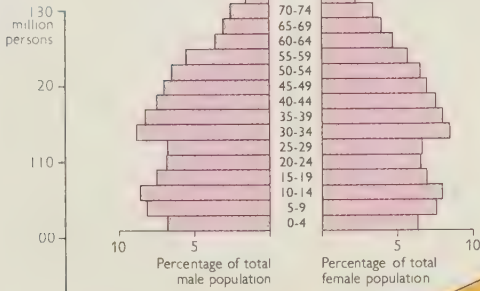


### AGE STRUCTURE OF POPULATION

Total population (1984) 120 235 000

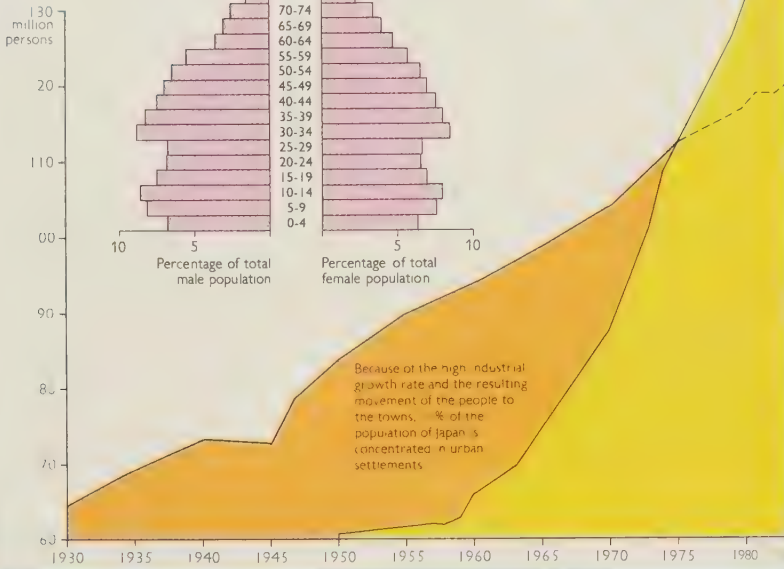
MALES

FEMALES



### POPULATION AND INDUSTRIAL GROWTH

Population growth  
Amount of G.D.P. derived from manufacturing industry

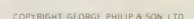


RYUKYU ISLANDS

Continuation southwards on same scale

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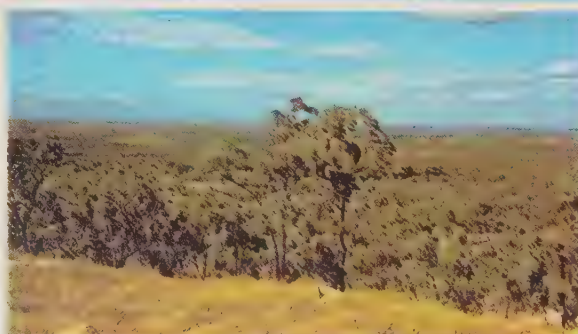




GEOLOGY  
1:50 000 000



Rainforest, Eastern Queensland



Savanna, medium low woodland, Northern Australia





1:14 000 000

79

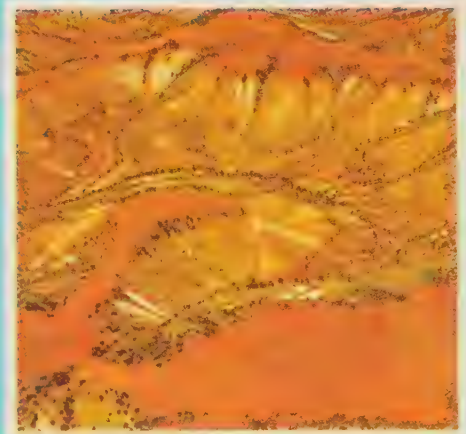
100 0 100 200 300 400 500 600 km

PAPUA-  
NEW GUINEA  
1:20 000 000

PACIFIC OCEAN  
Manus I.  
Admiralty Is.  
Lorengau  
Lavongai (New Hanover)  
Kavieng  
New  
Papua New Guinea

Bismarck Archipelago  
Karkar I.  
Madang Long I.  
Umbai I.  
Loe  
Morobe  
Buna  
Daru  
Port Moresby  
Torres Strait  
C. York  
CORAL SEA  
New Britain  
Solomon Sea  
Solomon  
Guadalcanal  
Ysabel  
Choiseul I.  
Nissan I.  
Ireland  
Bougainville  
Kiriwina Is.  
Woodlark I.  
D'Entrecasteaux Is.  
Normanby I.  
Louisiade Arch.  
Samara I.

PACIFIC OCEAN  
Avon Is.  
Chesterfield Is.  
Saumarez R.  
Bird I.  
Cato I.  
Tropic of Capricorn  
OCEAN



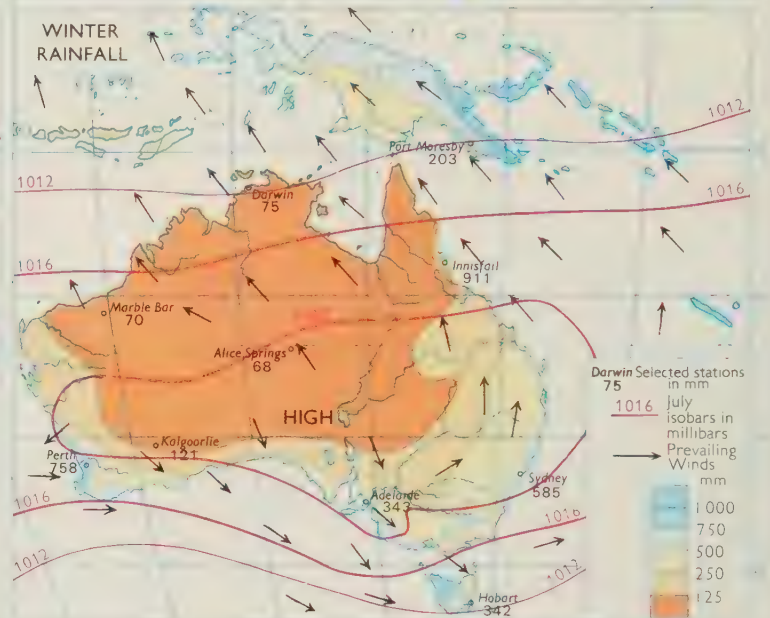
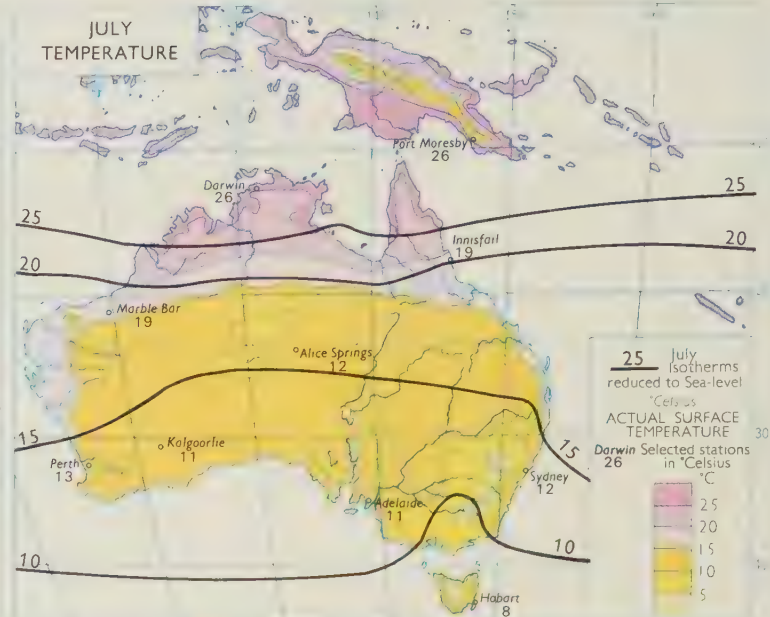
Blue Hill Range, near J. A. C. S. P. S.



Blue Mountains, near K. L. S. P. S.

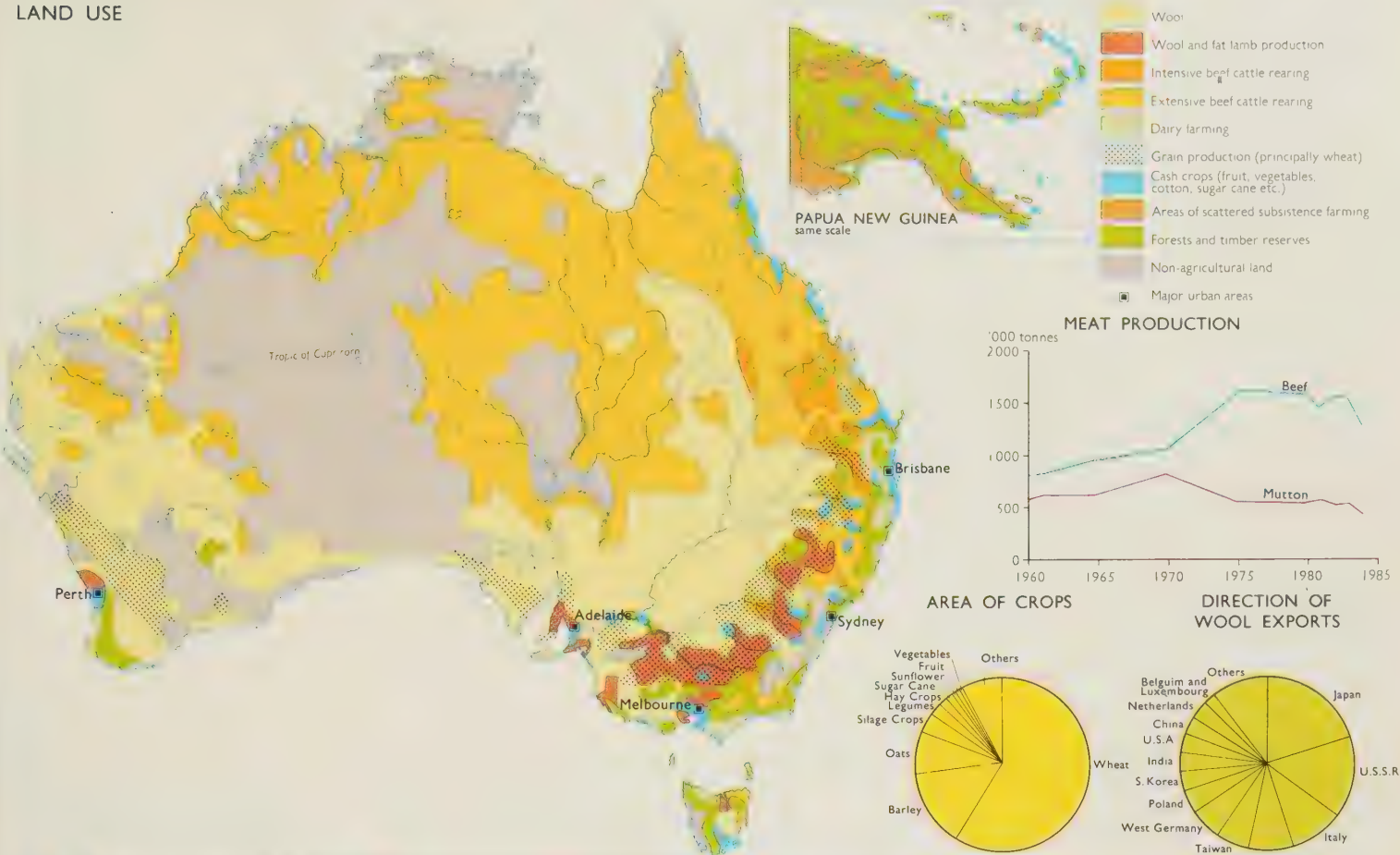
COPYRIGHT: J. A. C. S. P. S.



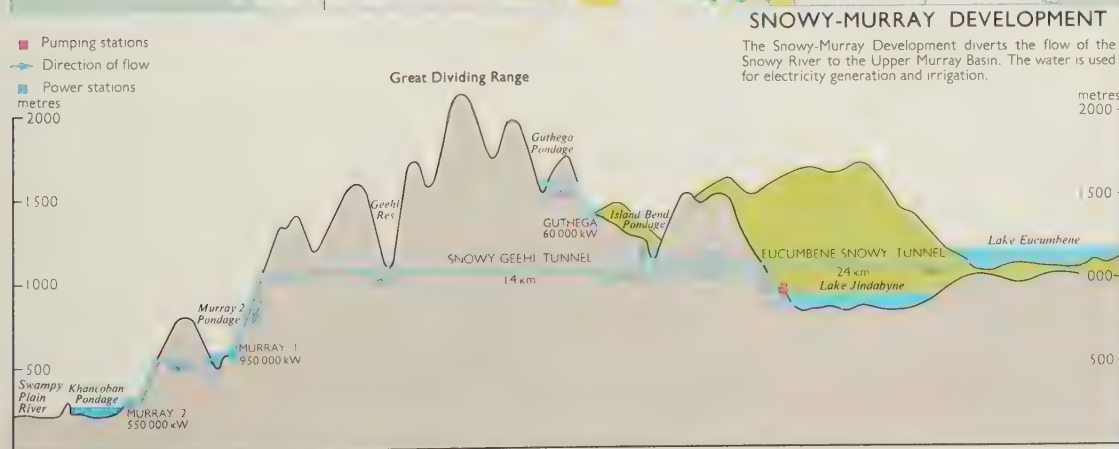
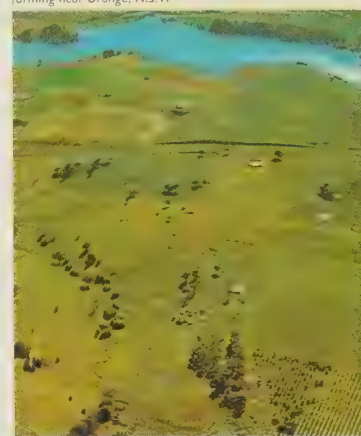




## LAND USE



Intensive grazing and mixed farming near Orange, N.S.W.



Lake Eucumbene, N.S.W.



MINERALS, INDUSTRY  
AND POWER

## EMPLOYMENT IN MANUFACTURING INDUSTRY

'000 people

|                              | N.S.W. | Victoria | Queensland | South Australia | West Australia | Tasmania | Australia |
|------------------------------|--------|----------|------------|-----------------|----------------|----------|-----------|
| Food, drink, tobacco         | 54.9   | 51.4     | 32.3       | 16.8            | 12.0           | 5.9      | 174.5     |
| Textiles, clothing, footwear | 28.9   | 58.6     | 4.3        | 6.8             | 2.1            | 0.2      | 102.1     |
| Wood, paper, printing        | 59.5   | 51.8     | 21.8       | 14.5            | 13.8           | 7.9      | 171.7     |
| Machinery, metal goods       | 143.5  | 91.5     | 30.3       | 29.2            | 23.0           | 2.1      | 324.9     |
| Transport equipment          | 31.7   | 54.4     | 12.0       | 17.4            | 4.8            | 0.6      | 121.0     |
| Others                       | 66.1   | 55.3     | 13.9       | 11.2            | 9.3            | 7.4      | 158.7     |
| Total manufacturing          | 384.6  | 363.0    | 114.6      | 95.9            | 65.0           | 24.1     | 1052.9    |

## COMMUNICATIONS

## AIRPORTS

Total passenger traffic, (excluding international flights)

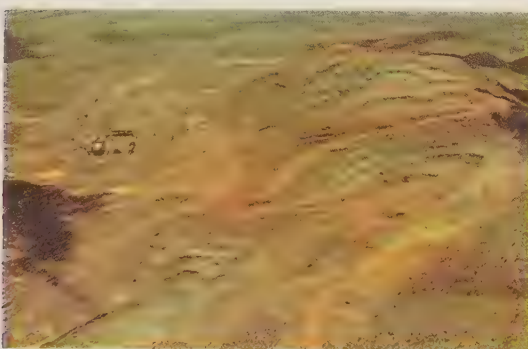
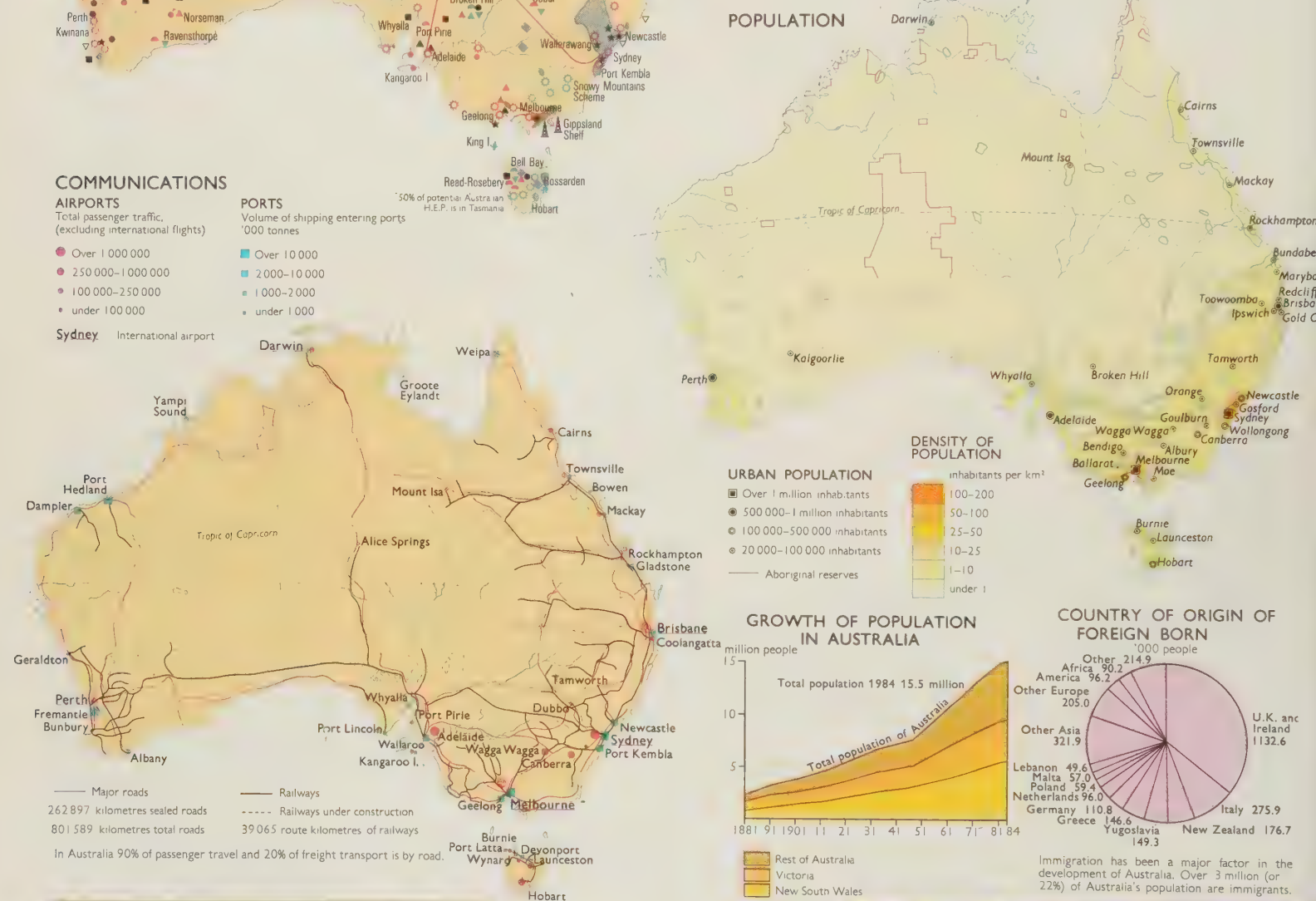
- Over 1 000 000
- 250 000-1 000 000
- 100 000-250 000
- under 100 000

Sydney International airport

## PORTS

Volume of shipping entering ports '000 tonnes

- Over 10 000
- 2 000-10 000
- 1 000-2 000
- under 1 000



Viticulture and citrus fruit cultivation near Mildura, New South Wales. Water from the River Murray Scheme allows large scale irrigation





## MINERALS

- Iron Sands
- Titanomagnetite
- Ilmenite

## POWER

- Bituminous and sub-bituminous coal
- Lignite
- Major oil and gas fields
- Natural gas pipelines
- Thermal power stations
- Hydro-electric power stations (major power stations named with generating capacity in MW)
- 500 000 volt Benmore-Wellington D.C. link via Cook Strait cable

## INDUSTRY

- Foodstuffs
- Textiles
- Timber
- Paper
- Engineering
- Vehicles
- Chemicals
- Oil refineries
- Aluminium

## MINERALS

Value of minerals as a percentage of total production

|                       |     |
|-----------------------|-----|
| Sand, rock and gravel | 35% |
| Coal                  | 30% |
| Iron sand             | 19% |
| Limestone             | 10% |
| Others                | 6%  |

## POWER

Electricity generation, 1984

|                   |     |
|-------------------|-----|
| Coal              | 20% |
| Hydro-electricity | 78% |
| Petrol and gas    | 2%  |

## EMPLOYMENT

Total number of people employed in manufacturing groups, 1984

|                                 |                 |
|---------------------------------|-----------------|
| Food, beverages and tobacco     | 74 300          |
| Textiles, clothing and footwear | 44 000          |
| Wood and paper                  | 56 800          |
| Metals, machinery, transport    | 84 300          |
| Chemicals                       | 26 100          |
| Other industries                | 16 900          |
| <b>Total</b>                    | <b>302 400*</b> |

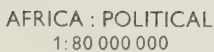
\*Of which 69% work in the six main centres shown by name and total workforce on map, thus: Auckland



Canterbury plains, near Methven

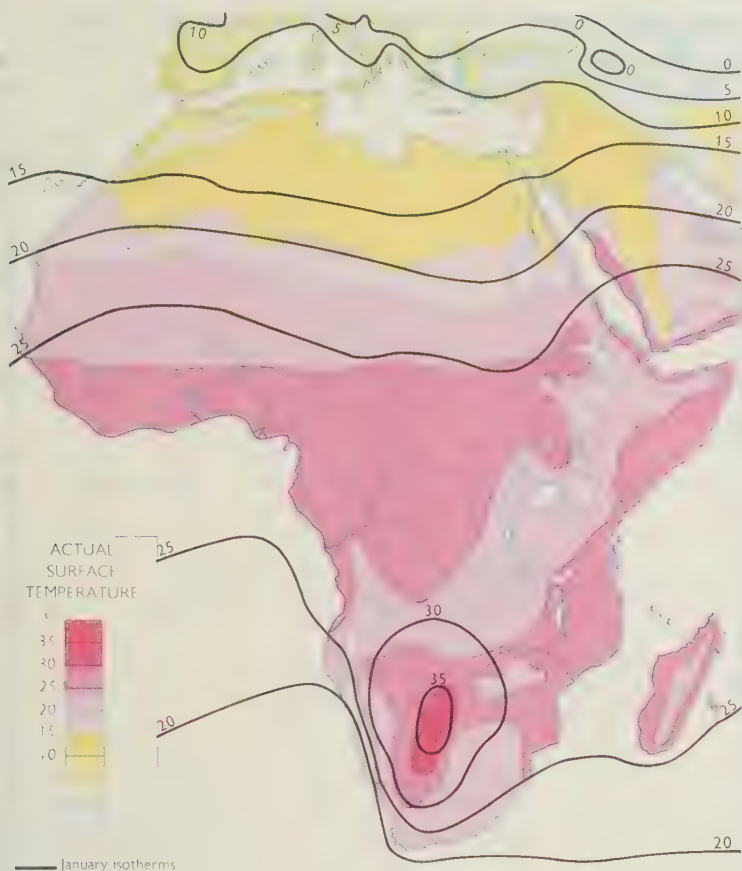




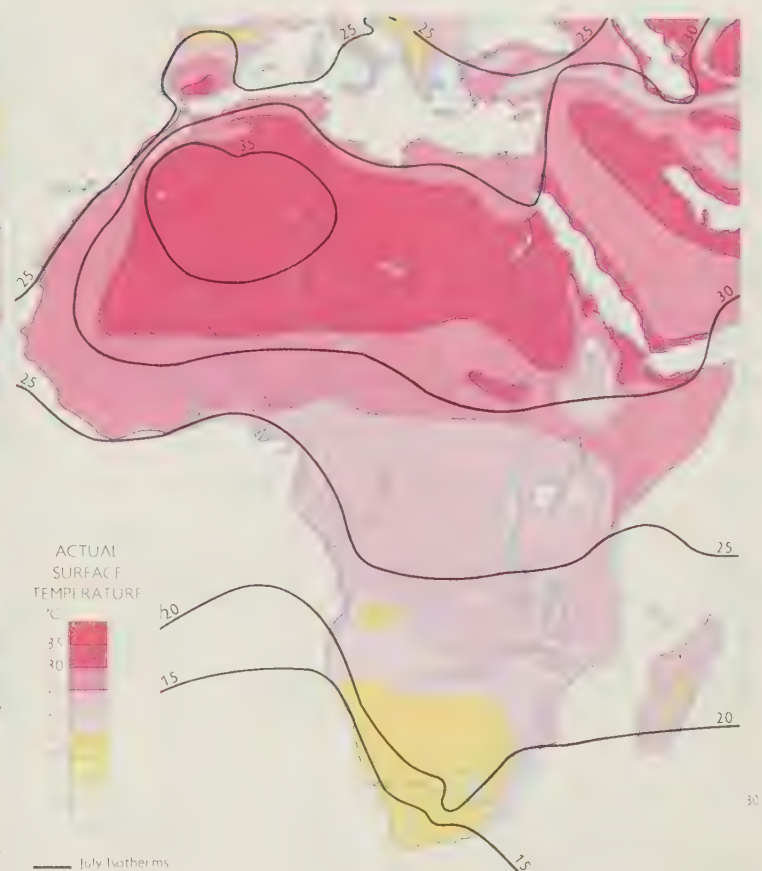




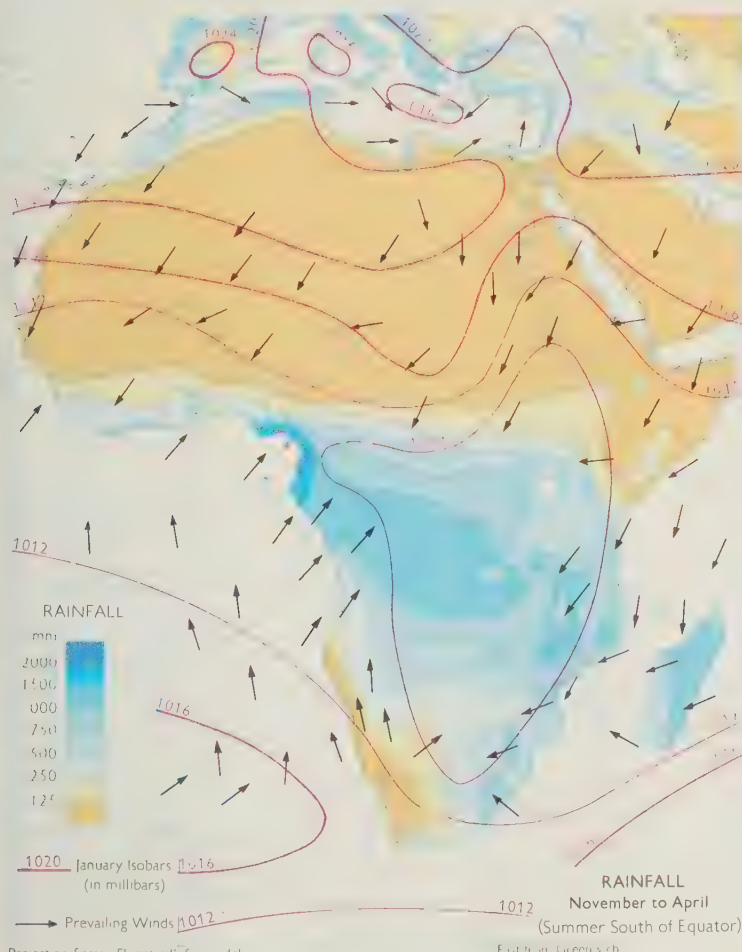
500 1000 1500 2000 2500 3000 3500 km



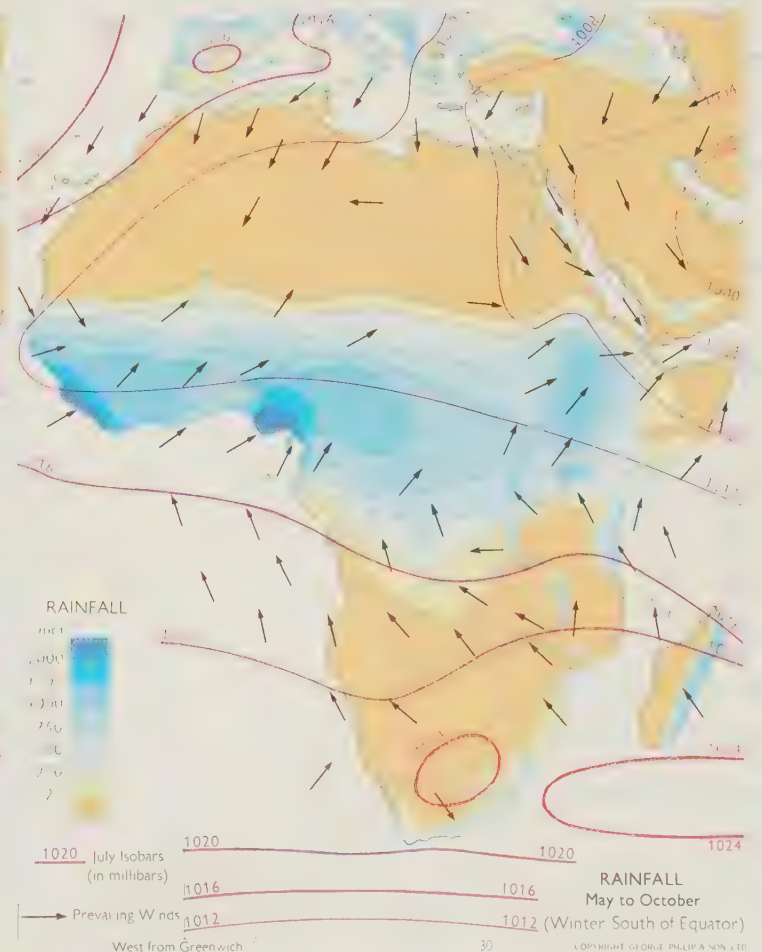
JANUARY TEMPERATURE



JULY TEMPERATURE

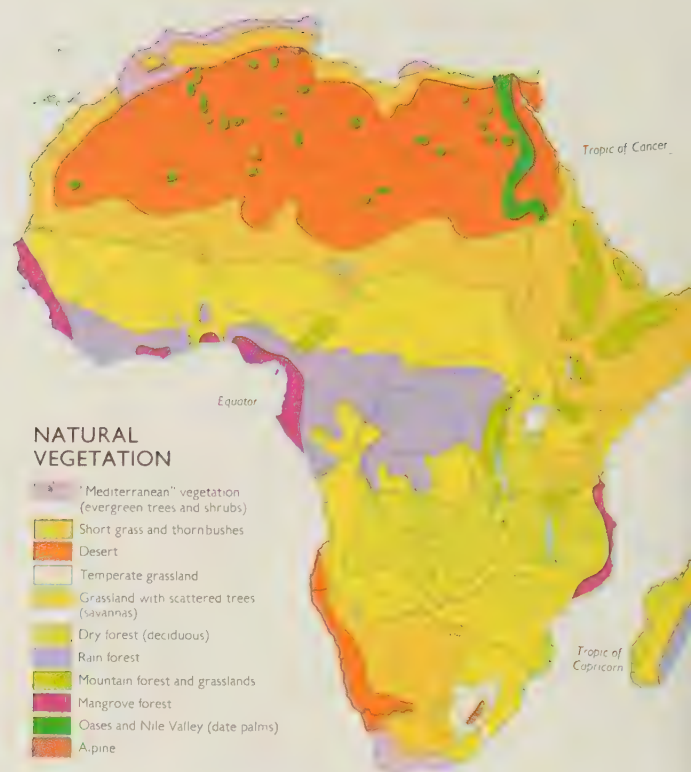


Projection Sanson Flamsteed's Sinusoidal

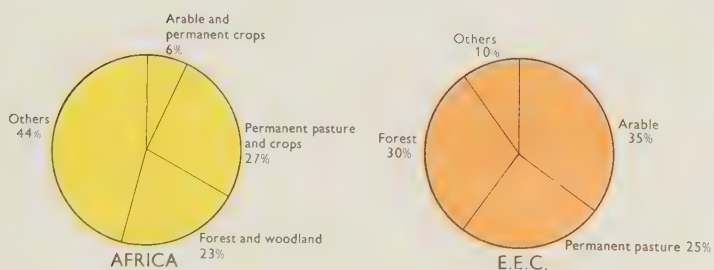


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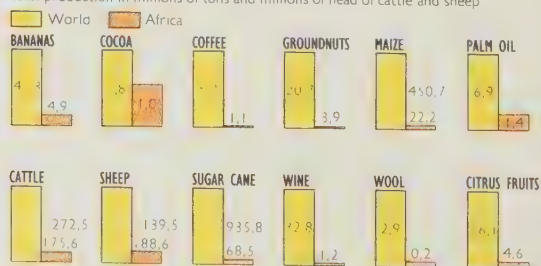


### LAND USE

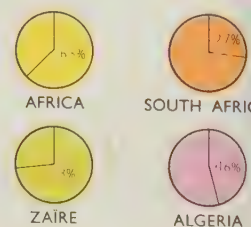


### COMMERCIAL FARMING PRODUCTION

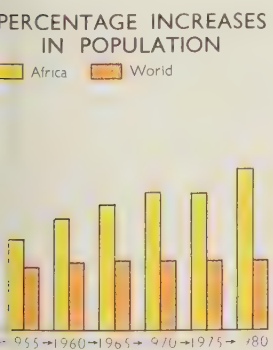
total production in millions of tons and millions of head of cattle and sheep



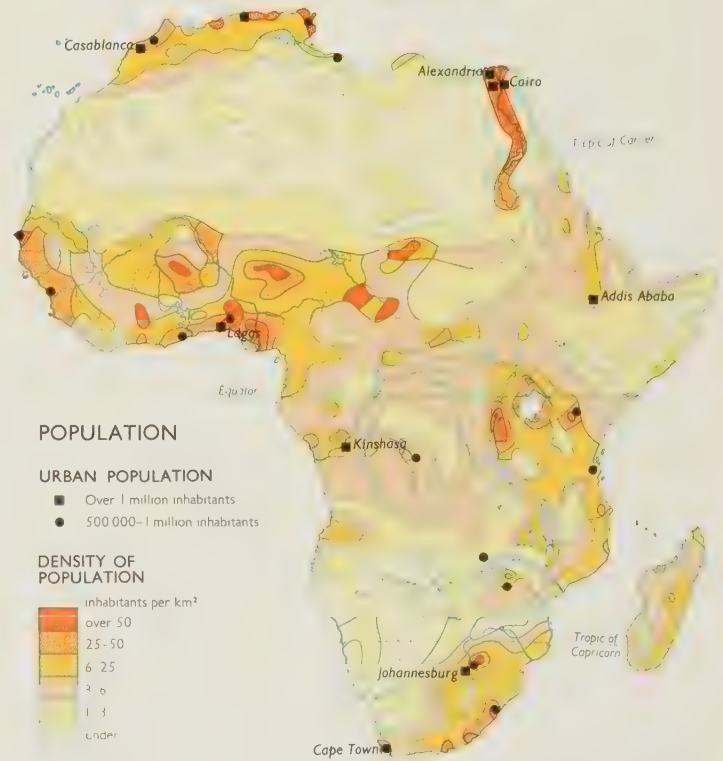
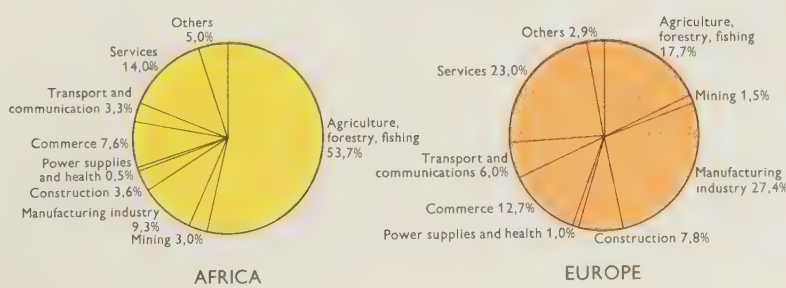
### PERCENTAGE OF TOTAL WORKING POPULATION DEPENDENT ON AGRICULTURE



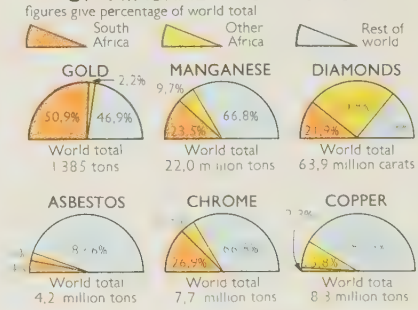




**EMPLOYMENT STRUCTURE OF ECONOMICALLY ACTIVE POPULATION**



**SOUTH AFRICA; IMPORTANCE OF MINERAL PRODUCTION**



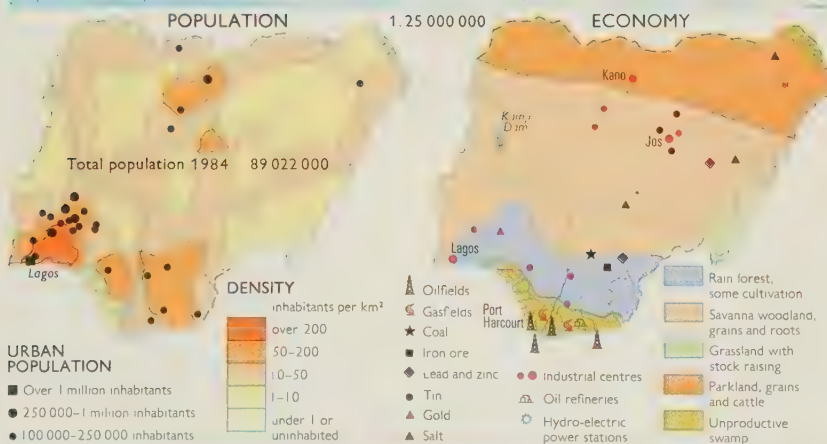












Nigeria has the largest population of any African country. It is also the wealthiest country in tropical Africa. This wealth is based on the huge oil reserves in the Niger delta region. Nigeria is the seventh largest oil producer in the world. Oil accounts for over 90% of her exports.



Fulani tribal chief



Community oil palm renewal, Uyo



View from Dailu Hill over E. Kano (Hausa Strong) industrial quarter



Tin mining, Jos Plateau

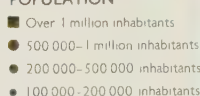


Oil rig (flow control station to separate oil and natural gas (flared off))

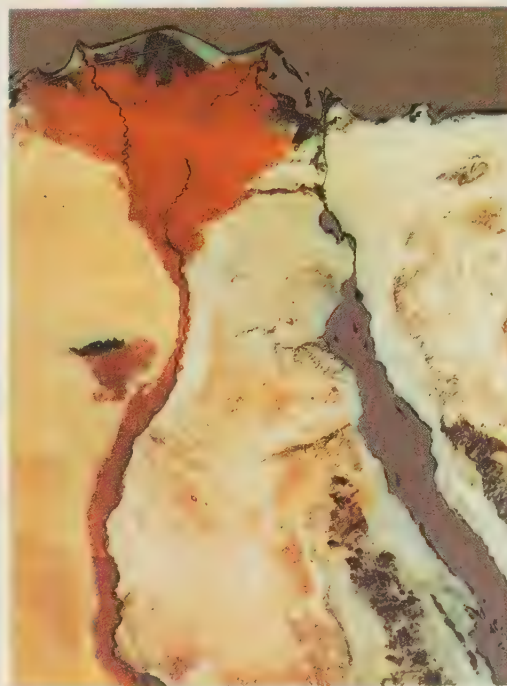


Logger cutting an African Walnut, north of Sapele





The Landsat system uses coloured filters to give a "false colour image" with the result that growing vegetation appears in shades of red, rocks and soils as blues, yellows or browns, water surfaces as blue or blacks depending on water depth and towns and roads appear bluish/grey with the characteristic patterns of their layouts







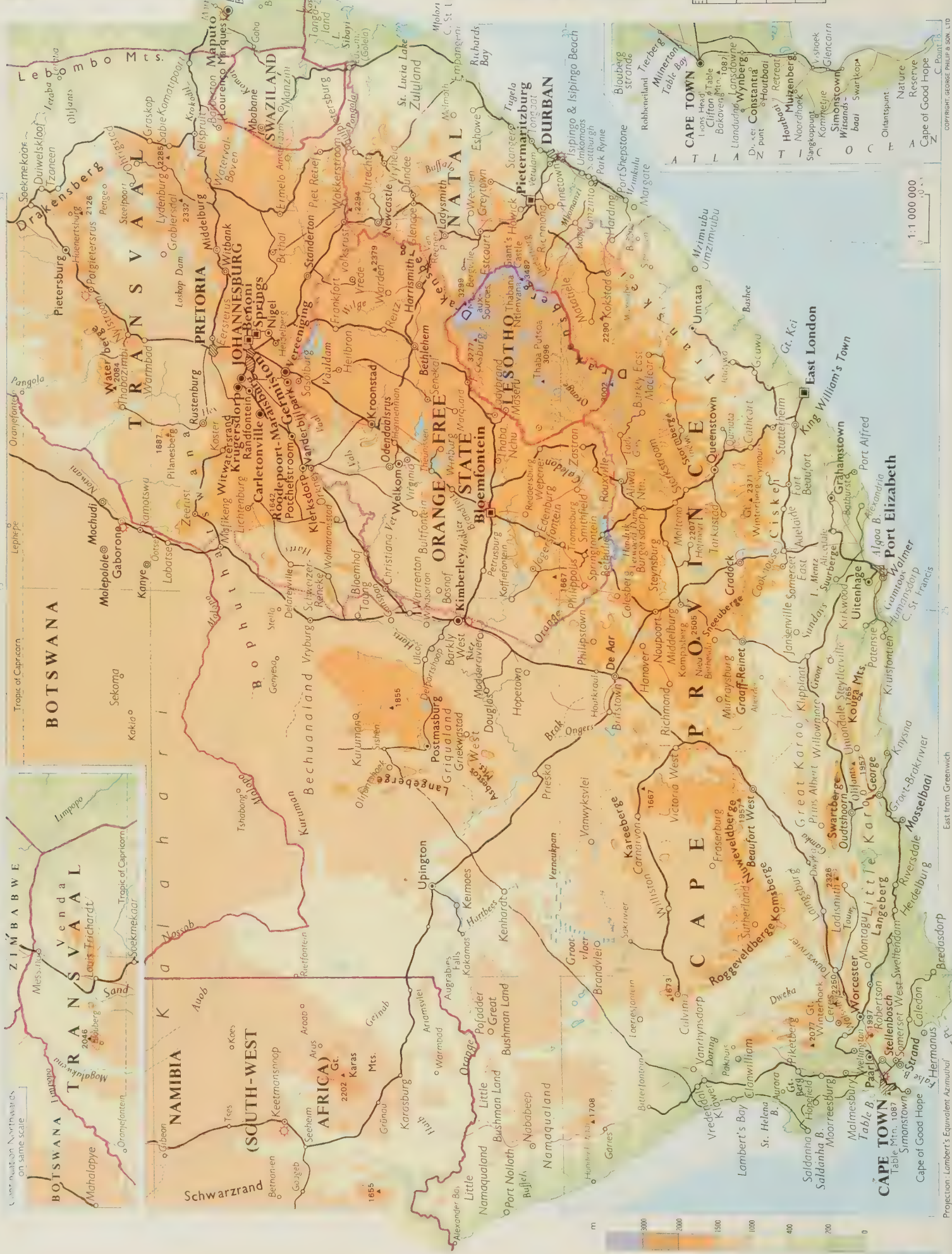
**MADAGASCAR**

On the same scale as the main map

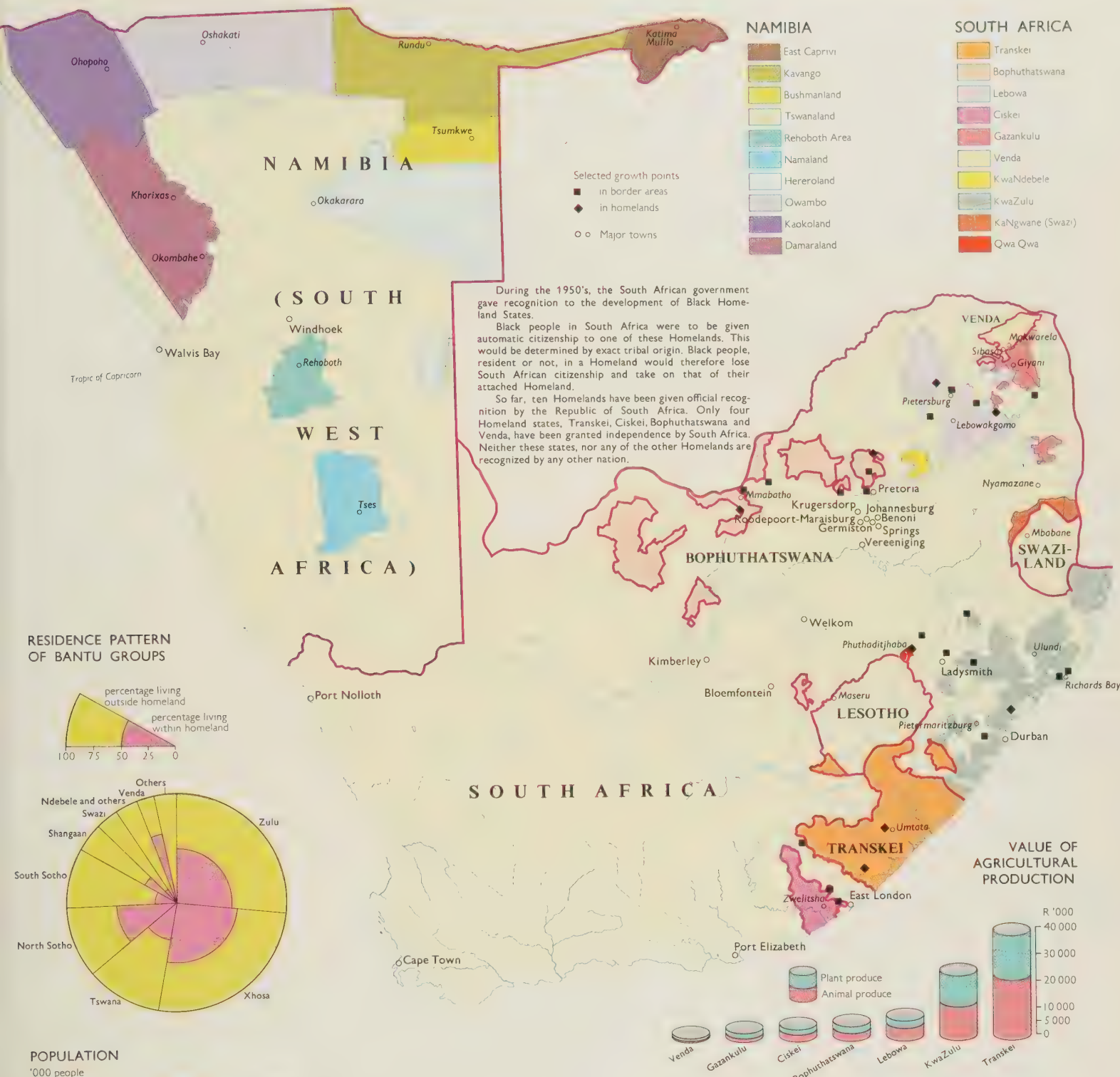




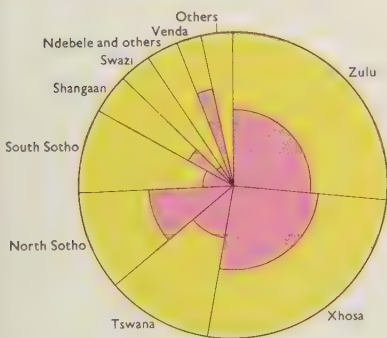
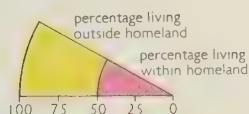




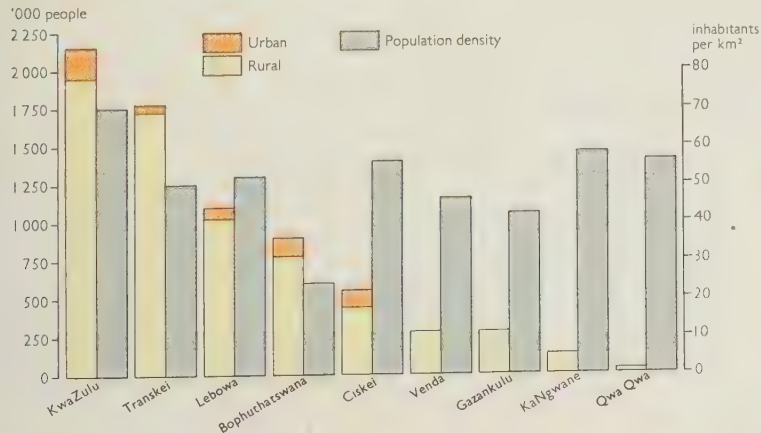




RESIDENCE PATTERN OF BANTU GROUPS



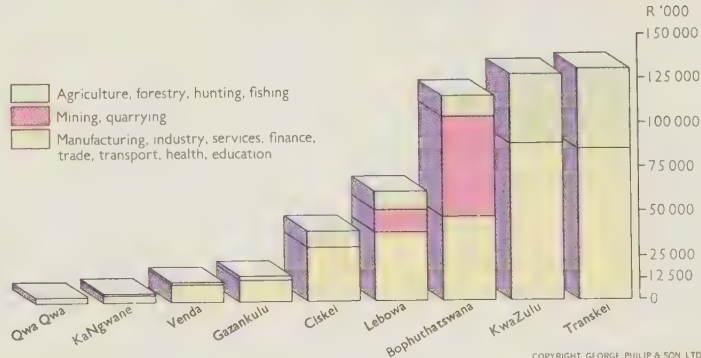
POPULATION



VALUE OF AGRICULTURAL PRODUCTION



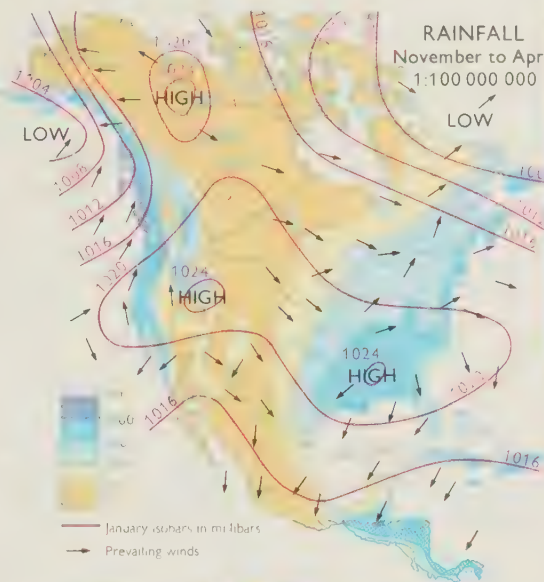
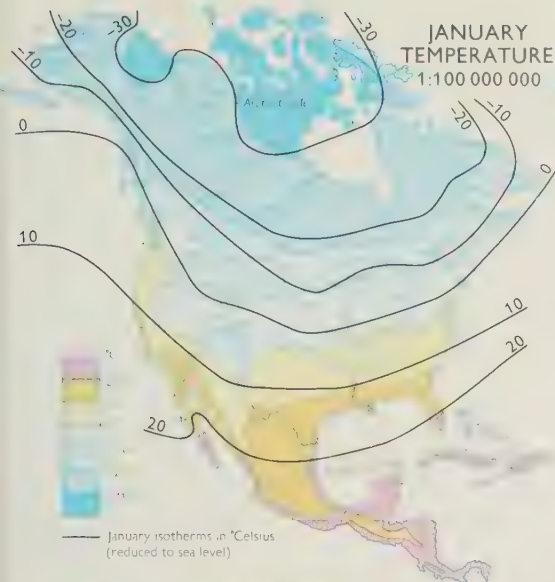
GROSS DOMESTIC PRODUCT





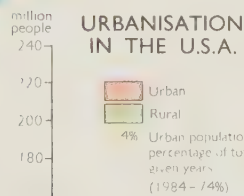
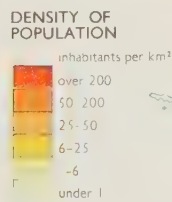
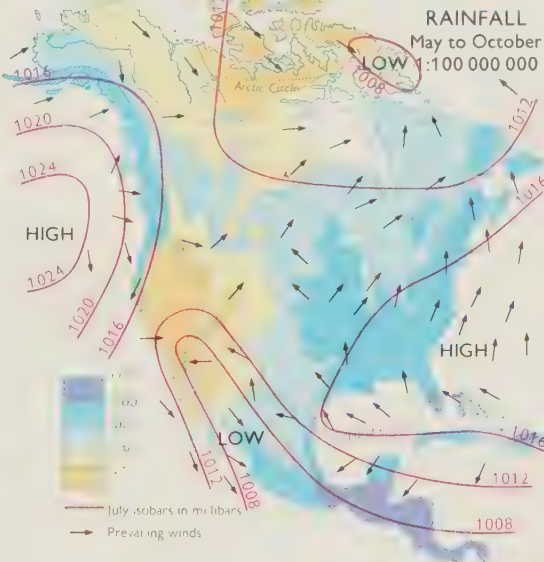
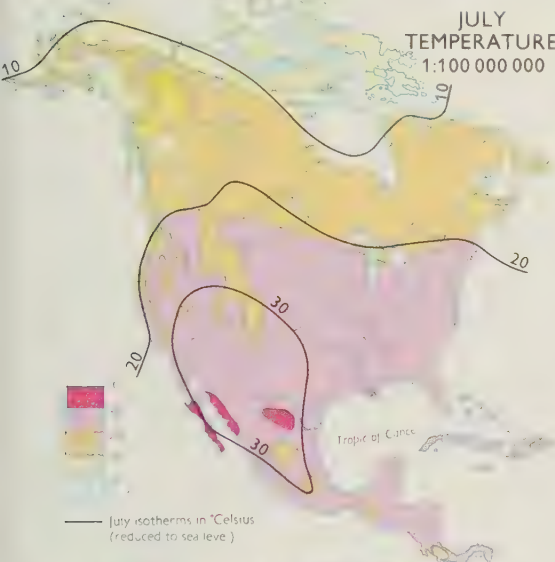
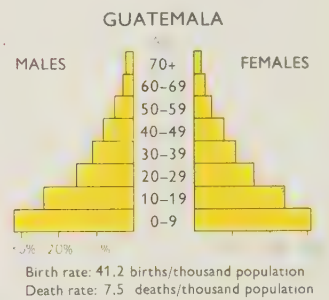
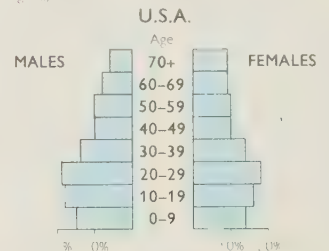




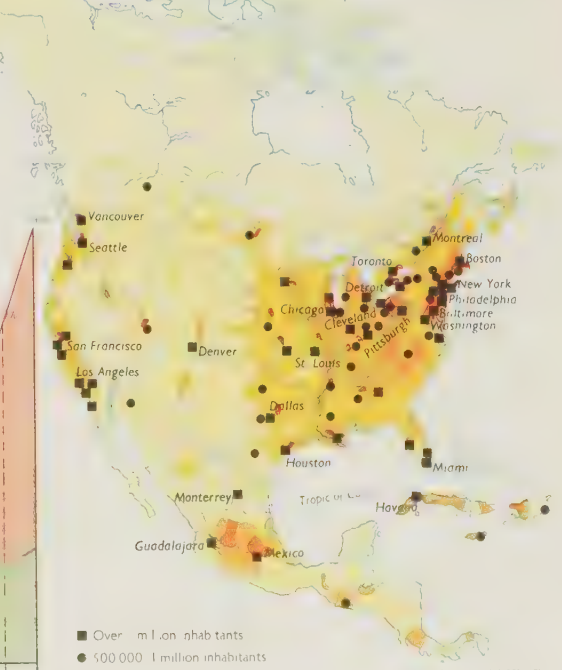


## AGE STRUCTURE OF POPULATION

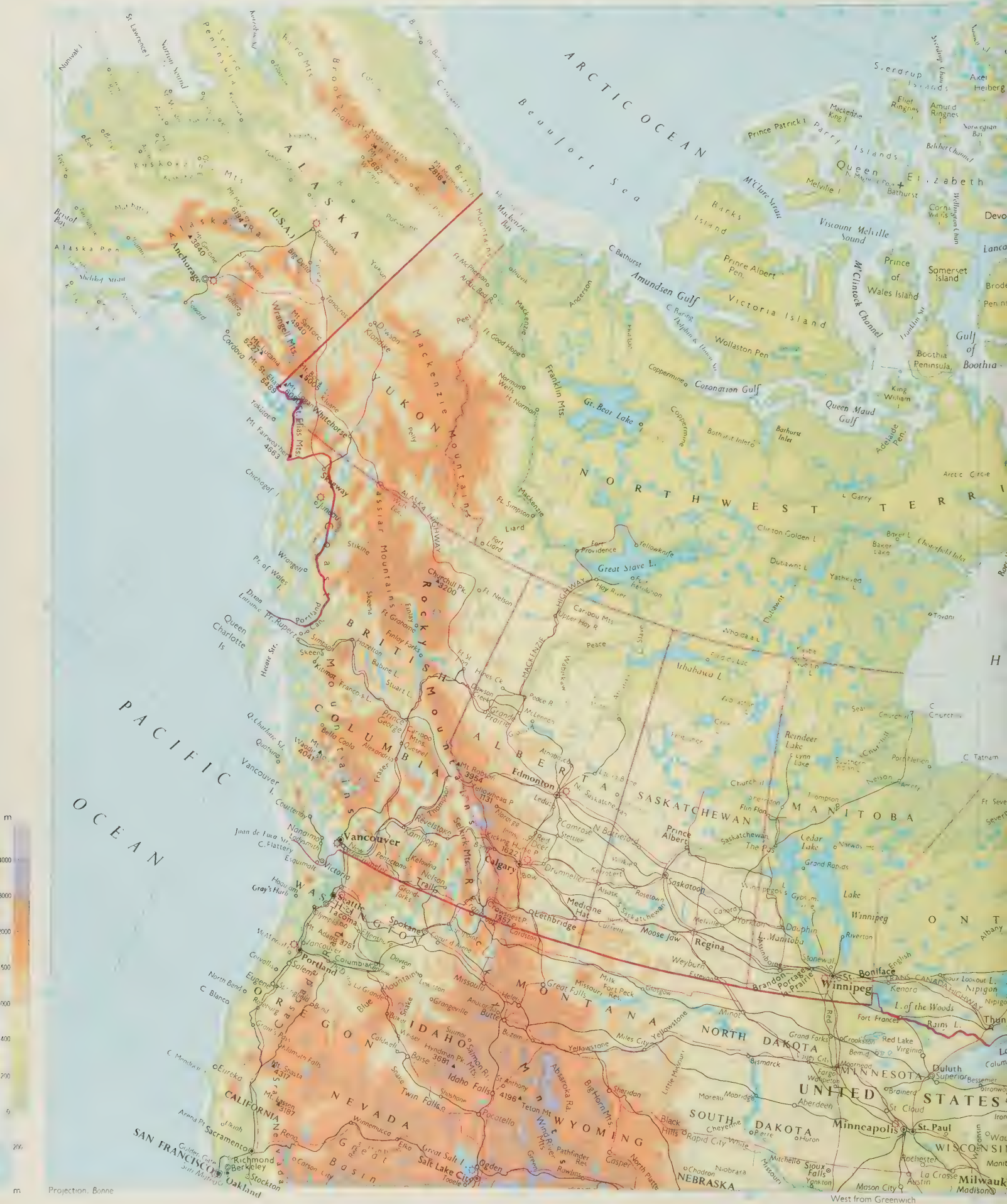
The horizontal bars in these diagrams represent the percentage of the male population on the left and the percentage of the female population on the right in the age group shown.



## POPULATION







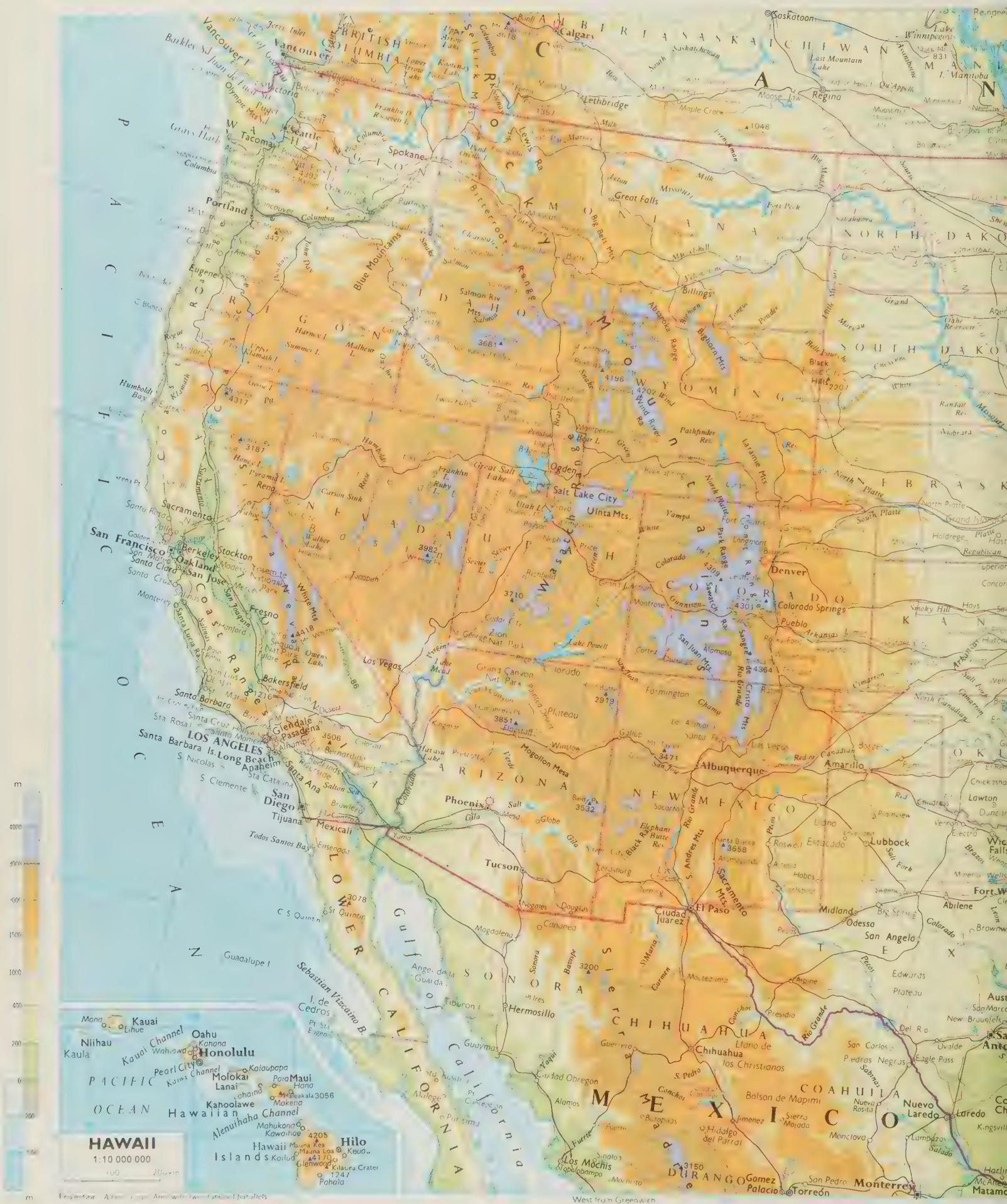


NORTH AMERICA : GEOLOGY  
1:50 000 000



The Rocky Mountains in Alberta













Stockyard, Phoenix



The spring wheat harvest



Aerial photograph of field patterns, Saskatchewan

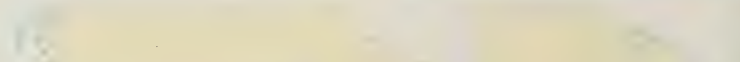
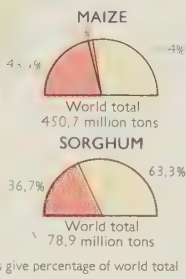


Land Use; lumber mill, Washington, Seattle



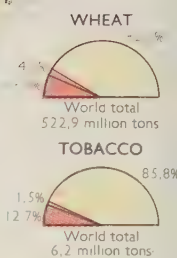
MAIZE  
SORGHUM  
SUGAR CANE

one dot represents 8 000 hectares



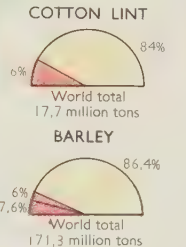
SPRING WHEAT  
WINTER WHEAT  
TOBACCO

one dot represents 8 000 hectares



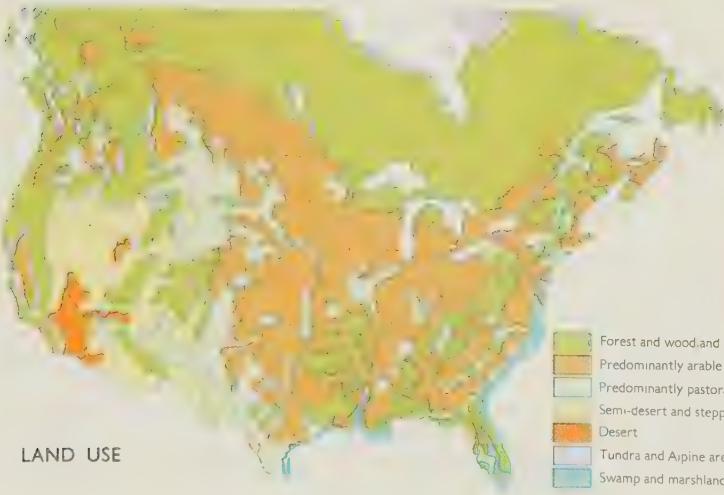
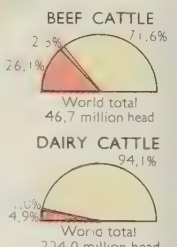
OATS  
BARLEY  
COTTON

one dot represents 8 000 hectares



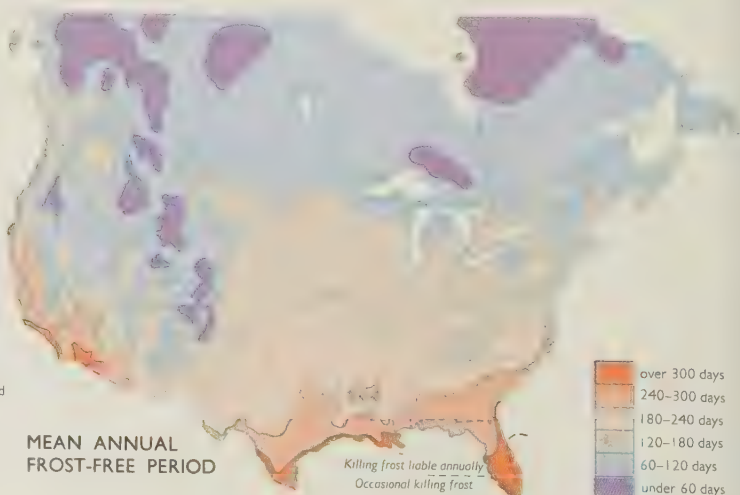
DAIRY CATTLE  
BEEF CATTLE

one dot represents 20 000 head



LAND USE

- Forest and woodland
- Predominantly arable land
- Predominantly pastoral land
- Semi-desert and steppe
- Desert
- Tundra and Alpine areas
- Swamp and marshland



MEAN ANNUAL FROST-FREE PERIOD

- over 300 days
- 240-300 days
- 180-240 days
- 120-180 days
- 60-120 days
- under 60 days

Killing frost liable annually  
Occasional killing frost

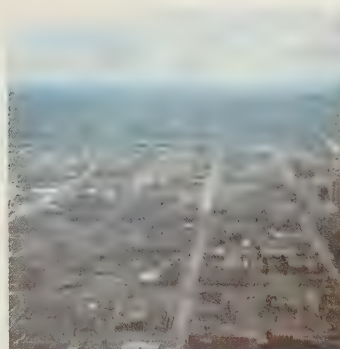




Power: The Hoover Dam on the boundary between Nevada and Arizona



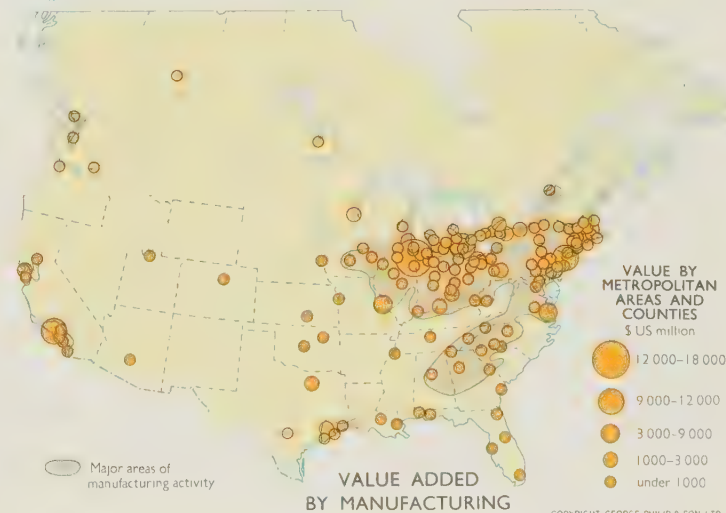
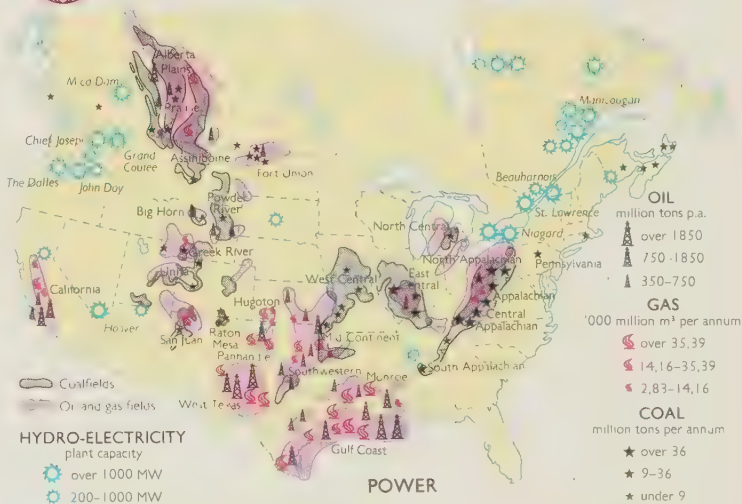
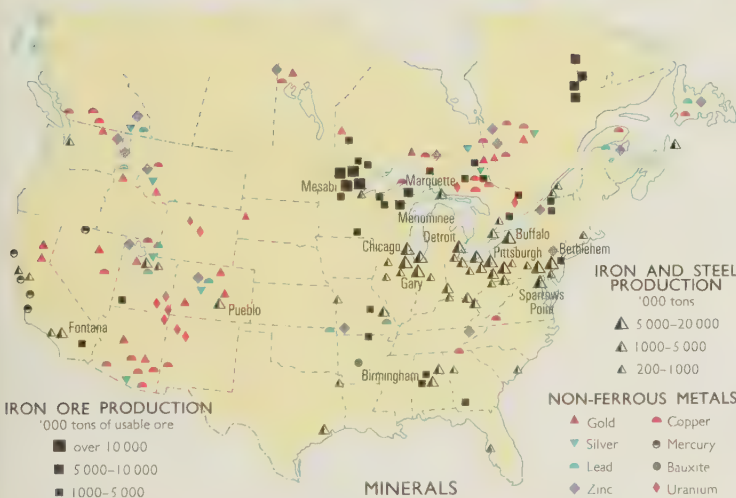
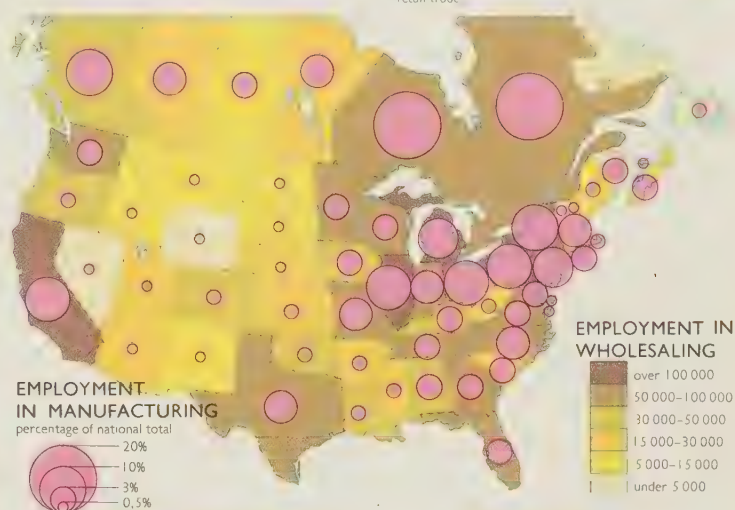
Power: Oil refinery, El Segundo, Southern California



Manufacturing: a zone of light industry, Seattle



Wholesaling: New York, heart of the nation's retail trade









0 50 100 150 200 250 km

## LAND USE

- Forest and woodland, mostly ungrazed
- Forest and woodland, with pasture
- Open woodland, grazed
- Irrigated arable
- Arable
- Arable with pasture
- Sub-humid and semi arid grassland, grazed
- Desert shrubland, grazed
- Desert, mostly ungrazed
- Alpine tundra
- Permanent ice and snow
- Urban and industrial areas

## POWER AND MINERALS

- Oilfields
- Gasfields
- Oil pipelines
- Gas pipelines
- Coalfields
- Coal production
- Oil refineries
- Hydro-electric power stations
- Railways
- Iron
- Chromium
- Manganese
- Tungsten
- Antimony
- Copper
- Lead
- Mercury
- Zinc
- Gold
- Silver
- Gypsum
- Potash
- Salt
- Sulphur















The Trans Amazonian Highway, linking Recife with Peru



The High Andes, east of Antofagasta, Chile



CROSS SECTION FROM AUSTRALIA TO SOUTH AMERICA

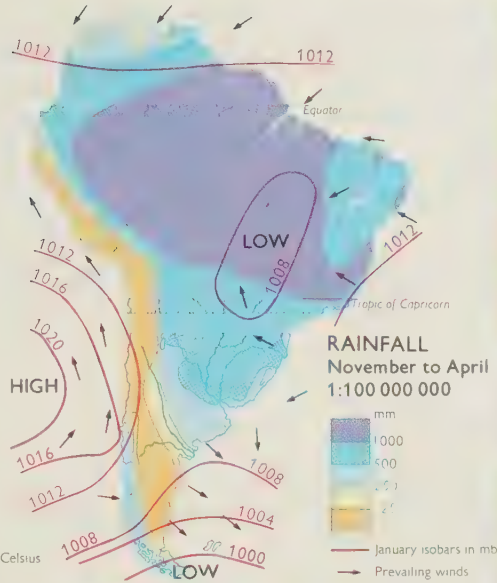
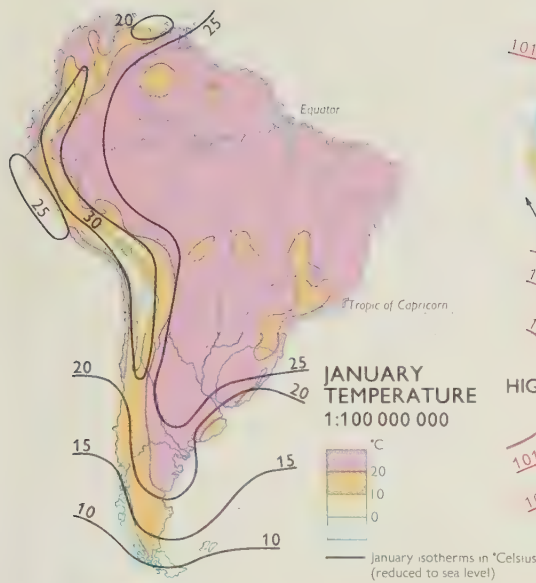
Pre Cambrian tables Hercynian folding Tertiary folding Movements in the earth's mantle

STRUCTURE 1:80 000 000



PRE CAMBRIAN TABLES  
Outcrops  
Sedimentary cover  
HERCYNIAN FOLDING  
Outcrops  
Sedimentary cover  
TERTIARY FOLDING  
Outcrops  
Sedimentary cover  
▲ Active volcanoes  
— Main anticlines





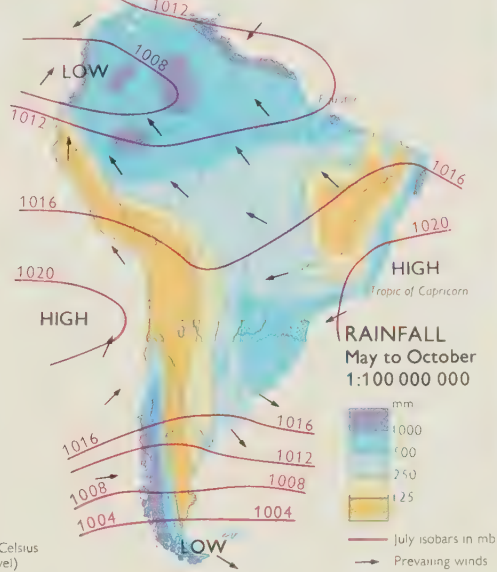
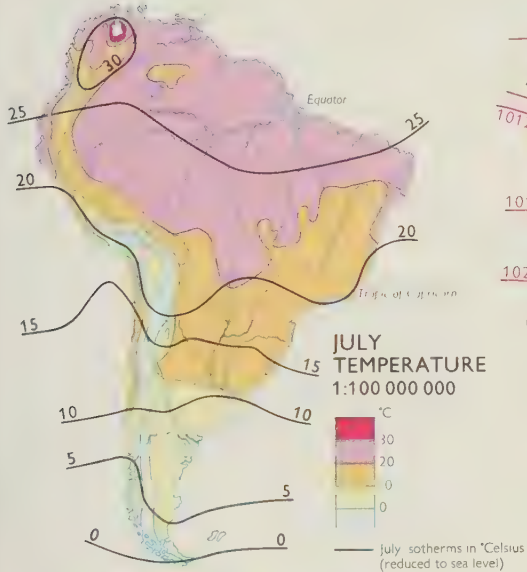
Tropical rain forest (selva) near Iquitos, Peru



dry, hilly landscape

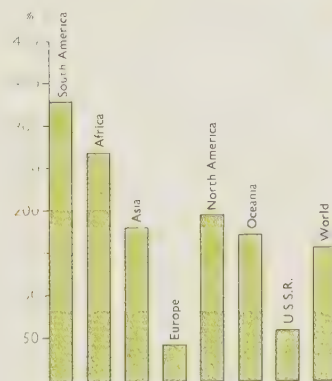


Rio de Janeiro—looking east to Botafogo Bay and Sugar Loaf Mountain

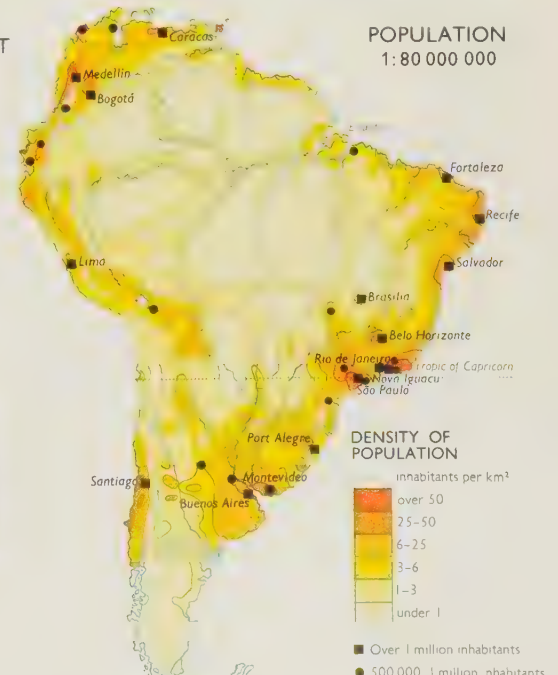


## SOUTH AMERICA: THE CONTINENT WITH THE FASTEST GROWING POPULATION

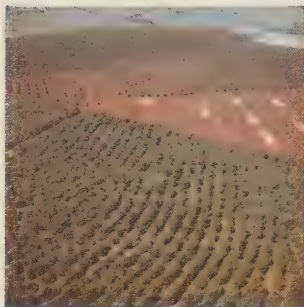
Increase in population, 1920-1983



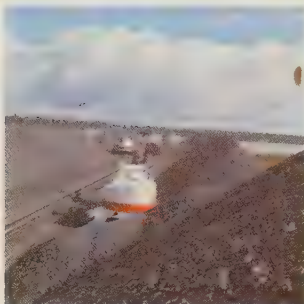
Despite this rapid population expansion the vast interior of South America remains largely uninhabited. In contrast most of the huge coastal cities such as São Paulo, Rio de Janeiro, Lima, Caracas and Buenos Aires are swollen with immigrants from the surrounding countryside, resulting in overcrowding and shanty towns







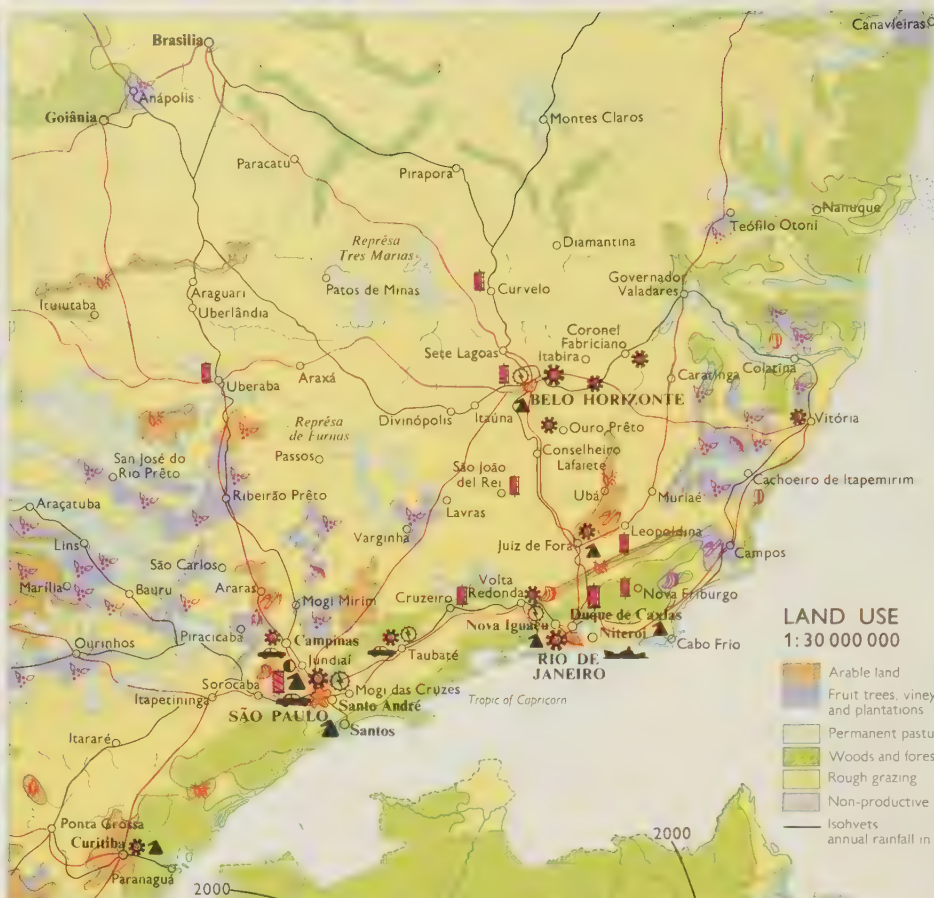
Coffee plantation in the state of São Paulo



Iron ore being loaded for export near Vitória



São Paulo—the skyscrapers of the central business district



**S.E. BRAZIL  
LAND USE AND  
INDUSTRY**  
1:10 000 000

- Principal roads
- Principal railways
- Built up areas

**INDUSTRY**

- ★ Iron and steel and heavy engineering
- 🚗 Vehicles
- 🏭 Textiles
- 🧪 Chemicals
- 🏭 Aluminium smelting
- ⚡ Electrical engineering
- 🚢 Shipbuilding

**LAND USE**  
1:30 000 000

- Arable land
- Fruit trees, vineyards and plantations
- Permanent pasture
- Woods and forests
- Rough grazing
- Non-productive land
- Isohyets annual rainfall in mm

**CROPS**

- 🌱 Cotton
- ☕ Coffee
- 🌾 Sugar cane
- 🍵 Tea
- 🌾 Rice
- 🌿 Tobacco
- 🌿 Cacao
- 🌾 Maize

**MINERALS AND POWER**  
1:40 000 000



**MINERALS**

- Nickel
- ◆ Uranium
- △ Beryllium
- Magnesite
- Manganese
- Chrome
- △ Gold
- Iron ore
- Asbestos
- Tin
- Copper
- Lead and zinc
- Bauxite

**POWER**

- ★ Oilfields
- ★ Gasfields
- ★ Oil refineries
- Oil pipelines
- Coalfields
- ★ Nuclear power stations
- ★ Hydro-electric power stations





Open-cast copper mine in the Atacama Desert, Chile



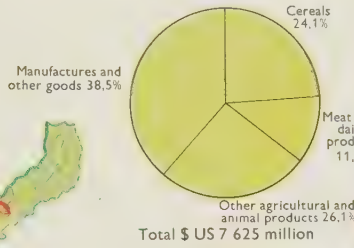
Gauchos herding cattle on a ranch in southern Uruguay

FROM BOLIVIA  
Sagasca  
Chucucamata  
El Aguila  
Tartagal  
FROM BOLIVIA  
Atacama  
El Salvador  
Coquimbo  
Valparaiso/Santiago  
Mendoza  
Teriente  
Concepcion  
H. Plaza Huincul  
El Chocón  
Comodoro Rivadavia  
Magallanes  
Tierra del Fuego  
Apope  
Salto Grande  
Buenos Aires  
La Plata  
URUGUAY

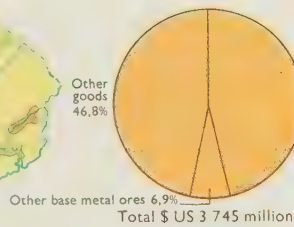
**MINERALS AND POWER**  
1:25 000 000

Tropic of Capricorn

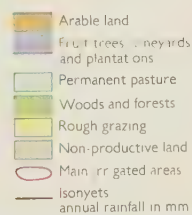
**ARGENTINA: EXPORTS 1982**  
the value of Argentina's agricultural sector



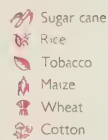
**CHILE: EXPORTS 1981**  
the importance of copper in Chile's economy



**LAND USE**  
1:20 000 000



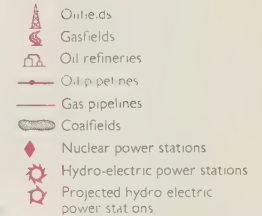
**CROPS**



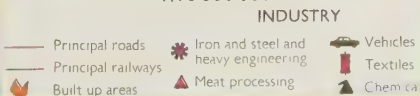
**MINERALS**



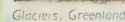
**POWER**



**CENTRAL CHILE - RIO DE LA PLATA**  
LAND USE AND INDUSTRY  
1:10 000 000









# Gross Domestic Product

| Country<br>or Dependency | Total<br>G.D.P.<br>million<br>\$ | G.D.P.<br>per<br>capita<br>\$ | Annual<br>average<br>change<br>% | Origin of G.D.P. % |                      |
|--------------------------|----------------------------------|-------------------------------|----------------------------------|--------------------|----------------------|
|                          |                                  |                               |                                  | Agricultural       | Mining<br>and<br>Mfg |

|                      |           |        |      |    |    |
|----------------------|-----------|--------|------|----|----|
| Afghanistan          | 1 858     | 111    | 0.1  | 69 | 14 |
| Algeria              | 44 926    | 2 262  | 8.7  | 6  | 40 |
| Angola               | 2 701     | 432    | —    | —  | —  |
| Argentina            | 122 195   | 4 124  | 1.3  | 13 | 35 |
| Australia            | 166 691   | 10 981 | 2.8  | 6  | 27 |
| Austria              | 58 490    | 7 747  | 3.0  | 4  | 28 |
| Bangladesh           | 15 298    | 158    | 4.4  | 48 | 9  |
| Belgium              | 75 306    | 7 638  | 2.3  | 2  | 25 |
| Belize               | 175       | 1 093  | 4.1  | 19 | 12 |
| Benin                | 1 035     | 303    | -4.3 | 44 | 6  |
| Bhutan               | 88        | 76     | —    | —  | —  |
| Bolivia              | 6 238     | 1 054  | 3.2  | 22 | 23 |
| Botswana             | 1 022     | 1 043  | 11.6 | 7  | 36 |
| Brazil               | 283 076   | 2 232  | 6.5  | 10 | 25 |
| Brunei               | 2 859     | 12 997 | —    | 1  | 83 |
| Bulgaria             | 25 415*   | 2 836* | 6.0  | 18 | 57 |
| Burkina Faso         | 1 079     | 163    | 6.6  | 37 | 11 |
| Burma                | 6 176     | 165    | 6.3  | 50 | 11 |
| Burundi              | 1 027     | 238    | 5.0  | 52 | 8  |
| Cameroon             | 7 786     | 871    | 6.8  | 23 | 26 |
| Canada               | 327 555   | 13 034 | 3.1  | 3  | 23 |
| Central African Rep. | 796       | 342    | 6.2  | 32 | 15 |
| Chad                 | 805       | 191    | -4.5 | 41 | 17 |
| Chile                | 17 796    | 1 524  | 7.6  | 6  | 31 |
| China                | 224 263   | 218    | 6.0  | 45 | 42 |
| Colombia             | 32 414    | 1 149  | 5.6  | 18 | 24 |
| Congo                | 1 918     | 1 128  | —    | 8  | 48 |
| Costa Rica           | 2 911     | 1 193  | 4.2  | 21 | 22 |
| Cuba                 | 15 244    | 1 526  | 2.5  | 10 | 35 |
| Cyprus               | 2 009     | 3 043  | 9.3  | 9  | 17 |
| Czechoslovakia       | 44 112*   | 2 853* | 3.2  | 8  | 59 |
| Denmark              | 50 252    | 9 834  | 2.1  | 5  | 18 |
| Djibouti             | 303       | 917    | -1.9 | 4  | 8  |
| Dominican Republic   | 8 575     | 1 439  | 4.5  | 17 | 20 |
| Ecuador              | 11 684    | 1 283  | 6.0  | 14 | 36 |
| Egypt                | 31 750    | 711    | 8.7  | 19 | 29 |
| El Salvador          | 4 564     | 873    | -0.2 | 21 | 16 |
| Equatorial Guinea    | 73        | 243    | —    | —  | —  |
| Ethiopia             | 4 429     | 135    | 2.9  | 45 | 10 |
| Fiji                 | 1 092     | 1 629  | 7.5  | 17 | 9  |
| Finland              | 47 148    | 9 661  | 3.1  | 7  | 24 |
| France               | 445 913   | 8 115  | 2.8  | 4  | 26 |
| Gabon                | 3 603     | 3 246  | —    | 5  | 49 |
| Gambia               | 214       | 369    | —    | 56 | 3  |
| Germany, East        | 72 820*   | 4 368* | 4.2  | 9  | 74 |
| Germany, West        | 554 511   | 9 064  | 3.5  | 2  | 31 |
| Ghana                | 8 182     | 668    | 1.3  | 51 | 6  |
| Greece               | 29 361    | 2 966  | 3.7  | 16 | 18 |
| Guatemala            | 9 030     | 1 201  | 5.0  | 25 | 16 |
| Guinea               | 910       | 369    | 3.1  | 43 | 8  |
| Guinea-Bissau        | 110       | 166    | —    | —  | —  |
| Guyana               | 410       | 436    | 2.9  | 20 | 15 |
| Haiti                | 1 029     | 199    | 4.1  | 32 | 17 |
| Honduras             | 3 148     | 744    | 6.5  | 24 | 15 |
| Hong Kong            | 26 786    | 4 997  | 12.0 | 1  | 21 |
| Hungary              | 15 705*   | 1 473* | 3.4  | 13 | 38 |
| Iceland              | 2 636     | 10 983 | 4.1  | 10 | 20 |
| India                | 173 883   | 233    | 3.7  | 29 | 17 |
| Indonesia            | 79 994    | 500    | 7.9  | 25 | 30 |
| Iran                 | 128 921   | 3 161  | -4.7 | 17 | 21 |
| Iraq                 | 48 879    | 3 700  | 2.4  | 7  | 60 |
| Irish Republic       | 16 613    | 4 733  | 3.7  | 11 | 24 |
| Israel               | 24 483    | 6 075  | 3.1  | 7  | 23 |
| Italy                | 316 190   | 5 549  | 3.6  | 5  | 27 |
| Ivory Coast          | 7 586     | 856    | 7.1  | 27 | 11 |
| Jamaica              | 3 185     | 1 428  | -2.5 | 7  | 22 |
| Japan                | 1 183 975 | 9 928  | 5.0  | 3  | 31 |
| Jordan               | 3 761     | 1 113  | 0.9  | 7  | 17 |
| Kampuchea            | 592       | 83     | 2.2  | 41 | 17 |
| Kenya                | 5 442     | 279    | 5.4  | 27 | 11 |
| Korea, South         | 81 129    | 1 999  | 7.2  | 14 | 30 |

| Country<br>or Dependency | Total<br>G.D.P.<br>million<br>\$ | G.D.P.<br>per<br>capita<br>\$ | Annual<br>average<br>change<br>% | Origin of G.D.P. % |                      |
|--------------------------|----------------------------------|-------------------------------|----------------------------------|--------------------|----------------------|
|                          |                                  |                               |                                  | Agricultural       | Mining<br>and<br>Mfg |

|                     |           |        |      |    |    |
|---------------------|-----------|--------|------|----|----|
| Kuwait              | 21 225    | 12 709 | 3.2  | 1  | 56 |
| Laos                | 300       | 87     | —    | —  | —  |
| Lebanon             | 3 438     | 1 273  | —    | 8  | 13 |
| Lesotho             | 365       | 253    | 11.7 | 21 | 6  |
| Liberia             | 871       | 456    | 2.7  | 14 | 23 |
| Libya               | 29 885    | 8 974  | 7.7  | 2  | 52 |
| Luxembourg          | 3 344     | 9 289  | 2.7  | 3  | 29 |
| Madagascar          | 2 991     | 325    | 1.8  | 33 | 19 |
| Malawi              | 1 334     | 208    | 5.7  | 37 | 13 |
| Malaysia            | 23 796    | 1 566  | 8.2  | 20 | 31 |
| Mali                | 2 179     | 297    | —    | 53 | 7  |
| Malta               | 937       | 2 466  | 10.2 | 4  | 31 |
| Mauritania          | 811       | 483    | 0.7  | 22 | 19 |
| Mauritius           | 913       | 932    | 6.4  | 12 | 15 |
| Mexico              | 171 267   | 2 284  | 7.1  | 7  | 31 |
| Morocco             | 14 697    | 687    | 4.3  | 14 | 23 |
| Mozambique          | 3 272     | 322    | —    | —  | —  |
| Nepal               | 2 212     | 141    | 2.6  | 53 | 4  |
| Netherlands         | 111 259   | 7 716  | 2.5  | 4  | 26 |
| New Zealand         | 21 554    | 6 736  | 4.0  | 10 | 25 |
| Nicaragua           | 2 955     | 998    | 1.7  | 25 | 21 |
| Niger               | 2 513     | 473    | —    | 43 | 16 |
| Nigeria             | 64 956    | 730    | 1.7  | 25 | 25 |
| Norway              | 49 149    | 11 872 | 4.2  | 3  | 32 |
| Oman                | 8 826     | 7 480  | —    | 3  | 51 |
| Pakistan            | 31 138    | 334    | 6.4  | 22 | 19 |
| Panama              | 4 541     | 2 123  | 6.1  | 9  | 9  |
| Papua New Guinea    | 2 372     | 767    | 0.6  | 34 | 23 |
| Paraguay            | 4 460     | 1 360  | 10.6 | 29 | 16 |
| Peru                | 11 428    | 595    | 2.1  | 8  | 36 |
| Philippines         | 27 750    | 520    | 6.0  | 25 | 27 |
| Poland              | 58 867*   | 1 595* | -0.8 | 17 | 50 |
| Portugal            | 23 811    | 2 344  | 4.9  | 8  | 30 |
| Puerto Rico         | 18 671    | 5 710  | 2.8  | 2  | 39 |
| Romania             | 17 915*   | 843*   | 7.2  | 15 | 58 |
| Rwanda              | 1 440     | 250    | 8.3  | 40 | 19 |
| Saudi Arabia        | 120 937   | 12 094 | 8.7  | 2  | 53 |
| Senegal             | 2 117     | 331    | 1.1  | 17 | 3  |
| Sierra Leone        | 1 297     | 380    | 3.7  | 30 | 19 |
| Singapore           | 17 848    | 7 083  | 9.0  | 1  | 25 |
| Somali Republic     | 1 540     | 303    | —    | —  | —  |
| South Africa        | 73 556    | 2 448  | 3.5  | 5  | 38 |
| Spain               | 149 193   | 3 853  | 1.6  | 6  | 27 |
| Sri Lanka           | 4 768     | 309    | 5.6  | 26 | 16 |
| Sudan               | 6 634     | 345    | 6.3  | 36 | 8  |
| Surinam             | 1 235     | 3 529  | 6.3  | 9  | 21 |
| Swaziland           | 527       | 925    | 7.2  | 20 | 19 |
| Sweden              | 88 048    | 10 570 | 1.2  | 3  | 21 |
| Switzerland         | 97 120    | 15 081 | 1.9  | 2  | 21 |
| Syria               | 19 140    | 1 927  | 5.9  | 20 | 17 |
| Tanzania            | 5 127     | 299    | 2.7  | 46 | 9  |
| Thailand            | 36 529    | 725    | 7.4  | 20 | 21 |
| Togo                | 815       | 296    | 2.7  | 27 | 15 |
| Trinidad and Tobago | 8 115     | 7 056  | 6.2  | 2  | 29 |
| Tunisia             | 8 132     | 1 208  | 6.5  | 13 | 23 |
| Turkey              | 40 551    | 858    | 2.4  | 21 | 26 |
| Uganda              | 3 360     | 238    | -0.4 | 73 | 6  |
| U.S.S.R.            | 711 818*  | 2 588* | 4.1  | 20 | 46 |
| United Kingdom      | 367 983   | 6 514  | 0.8  | 2  | 29 |
| United States       | 3 276 000 | 13 968 | 3.1  | 2  | 24 |
| Uruguay             | 3 980     | 1 331  | 3.9  | 12 | 22 |
| Venezuela           | 46 461    | 2 757  | 2.8  | 7  | 40 |
| Vietnam             | 4 682     | 98     | 2.8  | 29 | 7  |
| Western Samoa       | 50*       | 320*   | —    | —  | —  |
| Yemen, North        | 2 838     | 477    | 5.4  | 28 | 7  |
| Yemen, South        | 290       | 176    | 4.6  | 19 | 27 |
| Yugoslavia          | 49 736*   | 2 196* | 5.4  | 14 | 42 |
| Zaire               | 5 443     | 180    | -3.7 | 26 | 16 |
| Zambia              | 2 767     | 443    | -1.6 | 14 | 35 |
| Zimbabwe            | 6 612     | 876    | 3.2  | 13 | 27 |

The Gross Domestic Product (G.D.P.) is a measure of a country's total production of goods and services. For comparison national currencies have been converted to U.S. dollars. Owing to difficulties in the use of exchange rates and individual national methods of calculation of G.D.P., the figures must be used cautiously. For countries where the G.D.P. figure was not available, Gross National Product (G.N.P.) figures are given which are a measure of the total value of goods and services produced in a given country together with its imports from abroad. For communist countries the Net Material Product (N.M.P.) is given. This is not strictly comparable with the G.D.P., it is the total value of goods and services but excludes many of the latter, for example, public administration, defense costs and professional services. The figures quoted are usually for 1984 or at least for a year in the period 1975-84 and the annual rate of change is from 1975-81.

\* Gross National Product Figures



# International Trade

| Country     |  | Total<br>trade<br>(million<br>U.S. \$) | Primary<br>Comms.<br>as a<br>% of<br>total<br>trade | Manuf'd<br>Goods<br>as a<br>% of<br>total<br>trade | Fuels<br>as a<br>% of<br>total<br>trade | Value<br>of trade<br>per<br>capita<br>(U.S. \$) |
|-------------|--|----------------------------------------|-----------------------------------------------------|----------------------------------------------------|-----------------------------------------|-------------------------------------------------|
| I = Imports |  |                                        |                                                     |                                                    |                                         |                                                 |
| E = Exports |  |                                        |                                                     |                                                    |                                         |                                                 |

| Country     |  | Total<br>trade<br>(million<br>U.S. \$) | Primary<br>Comms.<br>as a<br>% of<br>total<br>trade | Manuf'd<br>Goods<br>as a<br>% of<br>total<br>trade | Fuels<br>as a<br>% of<br>total<br>trade | Value<br>of trade<br>per<br>capita<br>(U.S. \$) |
|-------------|--|----------------------------------------|-----------------------------------------------------|----------------------------------------------------|-----------------------------------------|-------------------------------------------------|
| I = Imports |  |                                        |                                                     |                                                    |                                         |                                                 |
| E = Exports |  |                                        |                                                     |                                                    |                                         |                                                 |

|                     |   |       |     |    |    |       |
|---------------------|---|-------|-----|----|----|-------|
| Afghanistan (1982)  | I | 695   | 17  | 74 | 9  | 41    |
|                     | E | 708   | 73  | 14 | 13 | 42    |
| Algeria             | I | 10286 | 25  | 73 | 2  | 484   |
|                     | E | 11861 | 1   | 1  | 98 | 602   |
| Angola              | I | 636   | 17  | 78 | 5  | 74    |
|                     | E | 2029  | 39  | 9  | 52 | 238   |
| Argentina           | I | 4583  | 11  | 76 | 13 | 151   |
|                     | E | 8107  | 67  | 26 | 7  | 269   |
| Australia*          | I | 23424 | 9   | 80 | 11 | 1507  |
|                     | E | 23998 | 55  | 22 | 23 | 1529  |
| Austria             | I | 19631 | 12  | 74 | 14 | 2988  |
|                     | E | 15741 | 11  | 88 | 1  | 2083  |
| Bahamas             | I | 3025  | 2   | 6  | 92 | 13152 |
|                     | E | 2346  | 1   | 4  | 95 | 10361 |
| Bahrain             | I | 3530  | 7   | 40 | 53 | 9193  |
|                     | E | 3138  | —   | 18 | 82 | 8172  |
| Bangladesh          | I | 2042  | 29  | 60 | 11 | 21    |
|                     | E | 934   | 34  | 62 | 4  | 10    |
| Barbados            | I | 659   | 19  | 65 | 16 | 2636  |
|                     | E | 391   | 21  | 61 | 18 | 1564  |
| Belgium-Lux.        | I | 55247 | 19  | 64 | 17 | 5395  |
|                     | E | 51699 | 13  | 79 | 8  | 5049  |
| Benin (1982)        | I | 476   | 20  | 70 | 10 | 97    |
|                     | E | 43    | 100 | 0  | 0  | 18    |
| Bolivia             | I | 631   | 15  | 84 | 1  | 101   |
|                     | E | 773   | 53  | 33 | 14 | 124   |
| Brazil              | I | 15210 | 10  | 36 | 54 | 115   |
|                     | E | 27005 | 55  | 39 | 6  | 204   |
| Brunei (1983)       | I | 728   | 16  | 83 | 1  | 3792  |
|                     | E | 3386  | 0   | 1  | 99 | 17635 |
| Bulgaria*           | I | 12715 | 5   | 81 | 14 | 1414  |
|                     | E | 12850 | 51  | 49 | 0  | 1432  |
| Burkina Faso (1983) | I | 288   | 27  | 57 | 16 | 45    |
|                     | E | 57    | 85  | 15 | 0  | 9     |
| Burma               | I | 239   | 10  | 87 | 3  | 6     |
|                     | E | 310   | 95  | 4  | 1  | 8     |
| Burundi             | I | 186   | 15  | 70 | 15 | 41    |
|                     | E | 98    | 98  | 2  | 0  | 22    |
| Cameroon            | I | 1106  | 13  | 83 | 4  | 117   |
|                     | E | 882   | 44  | 9  | 47 | 93    |
| Canada*             | I | 73999 | 11  | 82 | 7  | 2942  |
|                     | E | 86817 | 26  | 60 | 14 | 3455  |
| Chad (1982)         | I | 109   | 16  | 70 | 14 | 23    |
|                     | E | 58    | 84  | 8  | 8  | 12    |
| Chile               | I | 3191  | 14  | 71 | 15 | 269   |
|                     | E | 3657  | 45  | 53 | 2  | 308   |
| China               | I | 26183 | 32  | 67 | 1  | 19    |
|                     | E | 24871 | 26  | 52 | 22 | 21    |
| Colombia            | I | 4052  | 14  | 73 | 13 | 181   |
|                     | E | 3462  | 66  | 19 | 15 | 112   |
| Congo (1983)        | I | 806   | 21  | 65 | 14 | 488   |
|                     | E | 1066  | 4   | 6  | 90 | 646   |
| Costa Rica          | I | 1085  | 11  | 69 | 20 | 443   |
|                     | E | 978   | 70  | 29 | 1  | 372   |
| Cuba                | I | 8144  | 19  | 54 | 27 | 815   |
|                     | E | 6197  | 88  | 12 | 0  | 618   |
| Cyprus              | I | 1364  | 19  | 62 | 19 | 2067  |
|                     | E | 575   | 36  | 56 | 8  | 871   |
| Czechoslovakia*     | I | 17080 | 16  | 54 | 30 | 1105  |
|                     | E | 17196 | 6   | 89 | 5  | 1112  |
| Denmark             | I | 16973 | 17  | 63 | 20 | 3322  |
|                     | E | 16349 | 37  | 58 | 5  | 3196  |
| Dominican Republic* | I | 1257  | 17  | 47 | 36 | 215   |
|                     | E | 868   | 76  | 24 | 0  | 132   |
| Ecuador             | I | 1716  | 9   | 89 | 2  | 188   |
|                     | E | 2581  | 32  | 4  | 64 | 282   |
| Egypt (1983)        | I | 10274 | 36  | 60 | 4  | 224   |
|                     | E | 3215  | 22  | 12 | 66 | 70    |

|                    |   |        |    |    |     |      |
|--------------------|---|--------|----|----|-----|------|
| El Salvador        | I | 970    | 20 | 55 | 25  | 171  |
|                    | E | 708    | 55 | 42 | 3   | 141  |
| Ethiopia (1983)    | I | 875    | 13 | 62 | 25  | 27   |
|                    | E | 403    | 91 | 1  | 8   | 12   |
| Fiji               | I | 450    | 19 | 58 | 23  | 670  |
|                    | E | 256    | 63 | 18 | 19  | 381  |
| Finland            | I | 12443  | 12 | 61 | 27  | 2549 |
|                    | E | 13505  | 17 | 78 | 5   | 2768 |
| France             | I | 103807 | 16 | 59 | 25  | 1888 |
|                    | E | 93276  | 20 | 76 | 4   | 1698 |
| Gabon (1983)       | I | 853    | 18 | 81 | 1   | 755  |
|                    | E | 1975   | 12 | 3  | 85  | 1748 |
| Germany, East*     | I | 22940  | —  | —  | —   | 1376 |
|                    | E | 28436  | —  | —  | —   | 1490 |
| Germany, West      | I | 151246 | 19 | 60 | 21  | 2489 |
|                    | E | 169784 | 7  | 90 | 3   | 2758 |
| Ghana              | I | 591    | 12 | 61 | 27  | 200  |
|                    | E | 571    | 85 | 15 | —   | 160  |
| Greece             | I | 9434   | 19 | 54 | 27  | 960  |
|                    | E | 4811   | 40 | 53 | 7   | 486  |
| Guatemala          | I | 1278   | 8  | 54 | 38  | 151  |
|                    | E | 1129   | 69 | 29 | 2   | 154  |
| Guyana             | I | 601    | 19 | 59 | 22  | 639  |
|                    | E | 91     | 94 | 6  | 0   | 97   |
| Haiti (1983)       | I | 314    | 26 | 61 | 13  | 61   |
|                    | E | 187    | 49 | 51 | 0   | 36   |
| Honduras (1983)    | I | 804    | 11 | 67 | 22  | 188  |
|                    | E | 667    | 91 | 9  | 0   | 169  |
| Hong Kong          | I | 28567  | 17 | 76 | 7   | 5329 |
|                    | E | 28317  | 7  | 92 | 1   | 5283 |
| Hungary            | I | 8091   | 14 | 63 | 23  | 760  |
|                    | E | 8563   | 27 | 64 | 9   | 803  |
| Iceland            | I | 838    | 19 | 65 | 16  | 3417 |
|                    | E | 738    | 73 | 27 | 0   | 3033 |
| India              | I | 13501  | 14 | 42 | 44  | 18   |
|                    | E | 8474   | 40 | 59 | 1   | 11   |
| Indonesia          | I | 13882  | 11 | 64 | 25  | 87   |
|                    | E | 21888  | 14 | 10 | 76  | 137  |
| Iran (1983)        | I | 18296  | 16 | 84 | 0   | 283  |
|                    | E | 20247  | 2  | 0  | 98  | 476  |
| Iraq (1981)        | I | 7903   | 14 | 86 | 0   | 521  |
|                    | E | 10530  | 1  | 99 | 1   | 695  |
| Irish Republic     | I | 9663   | 16 | 71 | 13  | 2730 |
|                    | E | 9629   | 32 | 67 | 1   | 2720 |
| Israel             | I | 8411   | 13 | 69 | 18  | 2036 |
|                    | E | 5804   | 18 | 82 | 0   | 1190 |
| Italy              | I | 84215  | 22 | 47 | 31  | 1414 |
|                    | E | 73303  | 8  | 87 | 5   | 1292 |
| Ivory Coast (1983) | I | 1808   | 22 | 59 | 19  | 194  |
|                    | E | 2067   | 77 | 12 | 11  | 222  |
| Jamaica            | I | 1146   | 21 | 50 | 29  | 513  |
|                    | E | 747    | 83 | 13 | 4   | 339  |
| Japan              | I | 136492 | 26 | 27 | 47  | 1137 |
|                    | E | 170132 | 2  | 98 | 0   | 1148 |
| Jordan             | I | 2784   | 20 | 59 | 21  | 824  |
|                    | E | 752    | 50 | 50 | 0   | 222  |
| Kenya              | I | 1502   | 10 | 53 | 37  | 73   |
|                    | E | 1083   | 59 | 14 | 27  | 52   |
| Korea, South       | I | 30631  | 21 | 48 | 31  | 755  |
|                    | E | 29245  | 7  | 92 | 1   | 721  |
| Kuwait             | I | 7697   | 16 | 83 | 1   | 4028 |
|                    | E | 10750  | 1  | 15 | 84  | 5625 |
| Lebanon            | I | 287    | 28 | 65 | 7   | 82   |
|                    | E | 582    | 21 | 79 | 0   | 166  |
| Liberia            | I | 363    | 24 | 49 | 27  | 288  |
|                    | E | 452    | 97 | 3  | 0   | 298  |
| Libya (1982)       | I | 7178   | 20 | 79 | 1   | 2155 |
|                    | E | 13951  | 0  | 0  | 100 | 4189 |



# International Trade

| Country     |  | Total<br>trade<br>(million<br>U.S. \$) | Primary<br>Comms.<br>as a<br>% of<br>total<br>trade | Manuf'd<br>Goods<br>as a<br>% of<br>total<br>trade | Fuels<br>as a<br>% of<br>total<br>trade | Value<br>of trade<br>per<br>capita<br>(U.S. \$) |
|-------------|--|----------------------------------------|-----------------------------------------------------|----------------------------------------------------|-----------------------------------------|-------------------------------------------------|
| I = Imports |  |                                        |                                                     |                                                    |                                         |                                                 |
| E = Exports |  |                                        |                                                     |                                                    |                                         |                                                 |

|                                        |   |       |     |    |    |       |
|----------------------------------------|---|-------|-----|----|----|-------|
| <b>Madagascar (1983)</b>               | I | 387   | 19  | 57 | 24 | 41    |
|                                        | E | 293   | 85  | 7  | 8  | 43    |
| <b>Malawi</b>                          | I | 268   | 13  | 70 | 17 | 47    |
|                                        | E | 309   | 88  | 12 | 0  | 33    |
| <b>Malaysia (1982)</b>                 | I | 13987 | 15  | 70 | 15 | 963   |
|                                        | E | 13917 | 43  | 28 | 29 | 958   |
| <b>Mali (1983)</b>                     | I | 344   | 17  | 67 | 16 | 46    |
|                                        | E | 167   | 77  | 23 | 0  | 22    |
| <b>Malta</b>                           | I | 717   | 19  | 69 | 12 | 1887  |
|                                        | E | 394   | 7   | 89 | 4  | 1037  |
| <b>Mauritania</b>                      | I | 246   | 33  | 59 | 8  | 106   |
|                                        | E | 297   | 100 | 0  | 0  | 161   |
| <b>Mauritius</b>                       | I | 472   | 33  | 48 | 19 | 487   |
|                                        | E | 373   | 69  | 31 | 0  | 385   |
| <b>Mexico</b>                          | I | 11302 | 32  | 65 | 3  | 146   |
|                                        | E | 23603 | 11  | 15 | 74 | 306   |
| <b>Morocco</b>                         | I | 3861  | 25  | 48 | 27 | 169   |
|                                        | E | 2095  | 60  | 36 | 4  | 92    |
| <b>Mozambique</b>                      | I | 486   | 10  | 82 | 8  | 65    |
|                                        | E | 86    | 87  | 7  | 6  | 18    |
| <b>Netherlands</b>                     | I | 62136 | 20  | 55 | 25 | 4309  |
|                                        | E | 65881 | 25  | 51 | 24 | 4569  |
| <b>Netherlands<br/>Antilles (1983)</b> | I | 4527  | 3   | 11 | 86 | 21831 |
| <b>New Caledonia</b>                   | E | 4409  | 0   | 1  | 99 | 19854 |
|                                        | I | 311   | 24  | 53 | 23 | 2145  |
|                                        | E | 207   | 17  | 83 | 0  | 1427  |
| <b>New Zealand</b>                     | I | 6010  | 12  | 70 | 18 | 1860  |
|                                        | E | 5358  | 73  | 27 | 0  | 1659  |
| <b>Nicaragua</b>                       | I | 826   | 13  | 64 | 23 | 256   |
|                                        | E | 385   | 91  | 8  | 1  | 124   |
| <b>Niger (1982)</b>                    | I | 442   | 21  | 58 | 15 | 79    |
|                                        | E | 333   | 97  | 2  | 1  | 59    |
| <b>Nigeria (1983)</b>                  | I | 13440 | 19  | 79 | 2  | 151   |
|                                        | E | 11317 | 4   | 1  | 95 | 127   |
| <b>Norway</b>                          | I | 13889 | 13  | 74 | 10 | 3355  |
|                                        | E | 18892 | 10  | 37 | 53 | 4568  |
| <b>Pakistan</b>                        | I | 5873  | 20  | 52 | 28 | 63    |
|                                        | E | 2614  | 34  | 64 | 2  | 35    |
| <b>Panama</b>                          | I | 1423  | 11  | 61 | 28 | 668   |
|                                        | E | 256   | 78  | 10 | 12 | 120   |
| <b>Papua New Guinea*</b>               | I | 968   | 20  | 61 | 19 | 305   |
|                                        | E | 895   | 91  | 9  | 0  | 247   |
| <b>Paraguay*</b>                       | I | 563   | 14  | 57 | 19 | 146   |
|                                        | E | 386   | 91  | 9  | 0  | 82    |
| <b>Peru</b>                            | I | 1870  | 20  | 78 | 2  | 97    |
|                                        | E | 3131  | 32  | 42 | 26 | 163   |
| <b>Philippines</b>                     | I | 6099  | 12  | 61 | 27 | 153   |
|                                        | E | 5293  | 13  | 69 | 18 | 96    |
| <b>Poland*</b>                         | I | 10633 | 19  | 55 | 26 | 269   |
|                                        | E | 11687 | 13  | 69 | 18 | 304   |
| <b>Portugal</b>                        | I | 7797  | 21  | 52 | 27 | 767   |
|                                        | E | 5184  | 20  | 74 | 6  | 510   |
| <b>Reunion</b>                         | I | 791   | 26  | 63 | 11 | 1451  |
|                                        | E | 77    | 85  | 14 | 1  | 141   |
| <b>Romania* (1983)</b>                 | I | 9959  | 18  | 75 | 7  | 435   |
|                                        | E | 13241 | 28  | 63 | 9  | 578   |
| <b>Rwanda</b>                          | I | 290   | 17  | 70 | 13 | 48    |
|                                        | E | 83    | 100 | 0  | 0  | 14    |
| <b>Saudi Arabia (1983)</b>             | I | 33696 | 14  | 85 | 1  | 3763  |
|                                        | E | 36834 | 0   | 1  | 99 | 4505  |

| Country     |  | Total<br>trade<br>(million<br>U.S. \$) | Primary<br>Comms.<br>as a<br>% of<br>total<br>trade | Manuf'd<br>Goods<br>as a<br>% of<br>total<br>trade | Fuels<br>as a<br>% of<br>total<br>trade | Value<br>of trade<br>per<br>capita<br>(U.S. \$) |
|-------------|--|----------------------------------------|-----------------------------------------------------|----------------------------------------------------|-----------------------------------------|-------------------------------------------------|
| I = Imports |  |                                        |                                                     |                                                    |                                         |                                                 |
| E = Exports |  |                                        |                                                     |                                                    |                                         |                                                 |

|                            |   |        |     |    |    |       |
|----------------------------|---|--------|-----|----|----|-------|
| <b>Senegal</b>             | I | 1039   | 28  | 42 | 30 | 164   |
|                            | E | 416    | 43  | 20 | 37 | 86    |
| <b>Sierra Leone</b>        | I | 166    | 25  | 61 | 14 | 47    |
|                            | E | 148    | 41  | 59 | 0  | 42    |
| <b>Singapore</b>           | I | 28712  | 12  | 57 | 31 | 11394 |
|                            | E | 24108  | 14  | 58 | 28 | 9567  |
| <b>Somali Republic</b>     | I | 109    | 27  | 71 | 2  | 65    |
|                            | E | 45     | 100 | 0  | 0  | 39    |
| <b>South Africa*</b>       | I | 14956  | 7   | 93 | 0  | 472   |
|                            | E | 9334   | 17  | 76 | 7  | 314   |
| <b>Spain</b>               | I | 28812  | 21  | 39 | 40 | 744   |
|                            | E | 23544  | 19  | 72 | 9  | 608   |
| <b>Sri Lanka</b>           | I | 1845   | 19  | 57 | 24 | 118   |
|                            | E | 1454   | 61  | 28 | 11 | 93    |
| <b>Sudan (1983)</b>        | I | 1354   | 19  | 54 | 27 | 67    |
|                            | E | 624    | 93  | 2  | 5  | 31    |
| <b>Sweden</b>              | I | 26408  | 11  | 66 | 23 | 3159  |
|                            | E | 29378  | 13  | 81 | 6  | 3518  |
| <b>Switzerland</b>         | I | 29469  | 11  | 78 | 11 | 4577  |
|                            | E | 25863  | 5   | 95 | 0  | 4016  |
| <b>Syria</b>               | I | 4116   | 17  | 45 | 38 | 414   |
|                            | E | 1853   | 15  | 10 | 75 | 187   |
| <b>Tanzania (1983)</b>     | I | 1822   | 8   | 61 | 31 | 40    |
|                            | E | 366    | 87  | 13 | 0  | 18    |
| <b>Thailand</b>            | I | 10398  | 10  | 66 | 24 | 203   |
|                            | E | 7413   | 63  | 37 | 0  | 147   |
| <b>Togo (1983)</b>         | I | 284    | 28  | 64 | 8  | 103   |
|                            | E | 162    | 82  | 17 | 1  | 59    |
| <b>Trinidad and Tobago</b> | I | 2101   | 21  | 76 | 3  | 2245  |
|                            | E | 2194   | 2   | 14 | 84 | 2046  |
| <b>Tunisia</b>             | I | 3128   | 21  | 58 | 21 | 452   |
|                            | E | 1797   | 12  | 34 | 54 | 269   |
| <b>Turkey</b>              | I | 10822  | 8   | 49 | 43 | 224   |
|                            | E | 7086   | 48  | 48 | 4  | 147   |
| <b>Uganda (1980)</b>       | I | 293    | 9   | 61 | 30 | 22    |
|                            | E | 345    | 97  | 2  | 1  | 26    |
| <b>U.S.S.R.*</b>           | I | 80624  | 27  | 73 | 0  | 293   |
|                            | E | 91649  | 8   | 26 | 66 | 333   |
| <b>United Kingdom</b>      | I | 105968 | 19  | 70 | 11 | 1775  |
|                            | E | 94508  | 10  | 68 | 22 | 1628  |
| <b>United States</b>       | I | 341177 | 12  | 66 | 22 | 1376  |
|                            | E | 217888 | 24  | 71 | 5  | 921   |
| <b>Uruguay</b>             | I | 776    | 11  | 57 | 32 | 265   |
|                            | E | 925    | 70  | 30 | 0  | 352   |
| <b>Venezuela*</b>          | I | 6676   | 20  | 79 | 1  | 407   |
|                            | E | 14937  | 2   | 5  | 93 | 915   |
| <b>Yemen, North (1982)</b> | I | 1512   | 32  | 60 | 8  | 250   |
|                            | E | 39     | 24  | 76 | 0  | 6     |
| <b>Yemen, South (1981)</b> | I | 673    | —   | —  | —  | 332   |
|                            | E | 430    | —   | —  | —  | 212   |
| <b>Yugoslavia</b>          | I | 11538  | 16  | 57 | 27 | 522   |
|                            | E | 9811   | 16  | 81 | 3  | 447   |
| <b>Zaire</b>               | I | 682    | 24  | 68 | 8  | 16    |
|                            | E | 1004   | 41  | 58 | 1  | 36    |
| <b>Zambia*</b>             | I | 566    | 10  | 72 | 18 | 88    |
|                            | E | 648    | 1   | 98 | 1  | 100   |
| <b>Zimbabwe</b>            | I | 959    | 5   | 78 | 17 | 120   |
|                            | E | 1008   | 62  | 36 | 2  | 136   |

Source: U.N. Monthly Bulletin of Statistics and U.N. Yearbook of International Trade Statistics

Primary Commodities refer to sections 0-4 of the Standard International Trade Classification (Revised)\*\* and Manufactured Goods include sections 5-9. All the trade values used in the compilation of this table are at current prices. Unless otherwise stated imports are in terms of c.i.f. transaction values and exports f.o.b. transaction values. The latest figures available have been used and these are for 1984 unless otherwise stated.

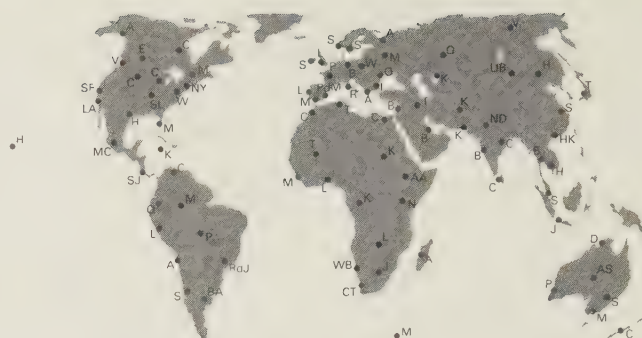
\* = Imports f.o.b.

\*\* excluding Fuels, section 3



# CLIMATIC STATISTICS

These four pages give temperature and precipitation statistics for over 80 stations, which are arranged by listing the continents and the places within each continent in alphabetical order. The elevation of each station, in metres above mean sea level, is stated beneath its name. The average monthly temperature, in degrees Celsius, and the average monthly precipitation, in millimetres, are given. To the right, the average yearly rainfall, the average yearly temperature, and the annual range of temperature (the difference between the warmest and the coldest months) are also stated.



| AFRICA                            |               | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Year  | Annual Range |
|-----------------------------------|---------------|------|------|------|------|-----|------|------|------|-------|------|------|------|-------|--------------|
| <b>Addis Ababa, Ethiopia</b>      |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 2 450 m                           | Precipitation | 201  | 206  | 239  | 102  | 28  | < 3  | 0    | < 3  | 3     | 25   | 135  | 213  | 1 151 |              |
|                                   | Temperature   | 19   | 20   | 20   | 20   | 19  | 18   | 18   | 19   | 21    | 22   | 21   | 20   | 20    | 4            |
| <b>Cairo, Egypt</b>               |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 116 m                             | Precipitation | 5    | 5    | 5    | 3    | 3   | < 3  | 0    | 0    | < 3   | < 3  | 3    | 5    | 28    |              |
|                                   | Temperature   | 13   | 15   | 18   | 21   | 25  | 28   | 28   | 28   | 26    | 24   | 20   | 15   | 22    | 15           |
| <b>Cape Town, South Africa</b>    |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 17 m                              | Precipitation | 15   | 8    | 18   | 48   | 79  | 84   | 89   | 66   | 43    | 31   | 18   | 10   | 508   |              |
|                                   | Temperature   | 21   | 21   | 20   | 17   | 14  | 13   | 12   | 13   | 14    | 16   | 18   | 19   | 17    | 9            |
| <b>Casablanca, Morocco</b>        |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 50 m                              | Precipitation | 53   | 48   | 56   | 36   | 23  | 5    | 0    | < 3  | 8     | 38   | 66   | 71   | 404   |              |
|                                   | Temperature   | 13   | 13   | 14   | 16   | 18  | 20   | 22   | 23   | 22    | 19   | 16   | 13   | 18    | 10           |
| <b>Johannesburg, South Africa</b> |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 1 665 m                           | Precipitation | 114  | 109  | 89   | 38   | 25  | 8    | 8    | 8    | 23    | 56   | 107  | 125  | 709   |              |
|                                   | Temperature   | 20   | 20   | 18   | 16   | 13  | 10   | 11   | 13   | 16    | 18   | 19   | 20   | 16    | 10           |
| <b>Khartoum, Sudan</b>            |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 390 m                             | Precipitation | < 3  | < 3  | < 3  | < 3  | 3   | 8    | 53   | 71   | 18    | 5    | < 3  | 0    | 158   |              |
|                                   | Temperature   | 24   | 25   | 28   | 31   | 33  | 34   | 32   | 31   | 32    | 32   | 28   | 25   | 29    | 9            |
| <b>Kinshasa, Zaire</b>            |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 325 m                             | Precipitation | 135  | 145  | 196  | 196  | 158 | 8    | 3    | 3    | 31    | 119  | 221  | 142  | 1 354 |              |
|                                   | Temperature   | 26   | 26   | 27   | 27   | 26  | 24   | 23   | 24   | 25    | 26   | 26   | 26   | 25    | 4            |
| <b>Lagos, Nigeria</b>             |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 3 m                               | Precipitation | 28   | 46   | 102  | 150  | 269 | 460  | 279  | 64   | 140   | 206  | 69   | 25   | 1 836 |              |
|                                   | Temperature   | 27   | 28   | 29   | 28   | 28  | 26   | 26   | 25   | 26    | 26   | 28   | 28   | 27    | 4            |
| <b>Lusaka, Zambia</b>             |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 1 277 m                           | Precipitation | 231  | 191  | 142  | 18   | 3   | < 3  | < 3  | 0    | < 3   | 10   | 91   | 150  | 836   |              |
|                                   | Temperature   | 21   | 22   | 21   | 21   | 19  | 16   | 16   | 18   | 22    | 24   | 23   | 22   | 21    | 8            |
| <b>Monrovia, Liberia</b>          |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 23 m                              | Precipitation | 31   | 56   | 97   | 216  | 516 | 973  | 996  | 373  | 744   | 772  | 236  | 130  | 5 138 |              |
|                                   | Temperature   | 26   | 26   | 27   | 27   | 26  | 25   | 24   | 25   | 25    | 25   | 26   | 26   | 26    | 3            |
| <b>Nairobi, Kenya</b>             |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 1 820 m                           | Precipitation | 38   | 64   | 125  | 211  | 158 | 46   | 15   | 23   | 31    | 53   | 109  | 86   | 958   |              |
|                                   | Temperature   | 19   | 19   | 19   | 19   | 18  | 16   | 16   | 16   | 18    | 19   | 18   | 18   | 18    | 3            |
| <b>Antananarivo, Madagascar</b>   |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 1 372 m                           | Precipitation | 300  | 279  | 178  | 53   | 18  | 8    | 8    | 10   | 18    | 61   | 135  | 287  | 1 356 |              |
|                                   | Temperature   | 21   | 21   | 21   | 19   | 18  | 15   | 14   | 15   | 17    | 19   | 21   | 21   | 19    | 7            |
| <b>Timbuktu, Mali</b>             |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 301 m                             | Precipitation | < 3  | < 3  | 3    | < 3  | 5   | 23   | 79   | 81   | 38    | 3    | < 3  | < 3  | 231   |              |
|                                   | Temperature   | 22   | 24   | 28   | 32   | 34  | 35   | 32   | 30   | 32    | 31   | 28   | 23   | 29    | 13           |
| <b>Tunis, Tunisia</b>             |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 66 m                              | Precipitation | 64   | 51   | 41   | 36   | 18  | 8    | 3    | 8    | 33    | 51   | 48   | 61   | 419   |              |
|                                   | Temperature   | 10   | 11   | 13   | 16   | 19  | 23   | 26   | 27   | 25    | 20   | 16   | 11   | 18    | 17           |
| <b>Walvis Bay, South Africa</b>   |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 7 m                               | Precipitation | < 3  | 5    | 8    | 3    | 3   | < 3  | < 3  | 3    | < 3   | < 3  | < 3  | < 3  | 23    |              |
|                                   | Temperature   | 19   | 19   | 19   | 18   | 17  | 16   | 15   | 14   | 14    | 15   | 17   | 18   | 18    | 5            |

## AMERICA, NORTH

|                                  |               |     |     |     |     |    |    |    |    |    |    |     |     |     |    |
|----------------------------------|---------------|-----|-----|-----|-----|----|----|----|----|----|----|-----|-----|-----|----|
| <b>Anchorage, Alaska, U.S.A.</b> |               |     |     |     |     |    |    |    |    |    |    |     |     |     |    |
| 40 m                             | Precipitation | 20  | 18  | 15  | 10  | 13 | 18 | 41 | 66 | 66 | 56 | 25  | 23  | 371 |    |
|                                  | Temperature   | -11 | -8  | -5  | 2   | 7  | 12 | 14 | 13 | 9  | 2  | -5  | -11 | 2   | 25 |
| <b>Cheyenne, Wyo., U.S.A.</b>    |               |     |     |     |     |    |    |    |    |    |    |     |     |     |    |
| 1 871 m                          | Precipitation | 10  | 15  | 25  | 48  | 61 | 41 | 53 | 41 | 31 | 25 | 13  | 13  | 376 |    |
|                                  | Temperature   | -4  | -3  | 1   | 5   | 10 | 16 | 19 | 19 | 14 | 7  | 1   | -2  | 7   | 23 |
| <b>Chicago, Ill., U.S.A.</b>     |               |     |     |     |     |    |    |    |    |    |    |     |     |     |    |
| 251 m                            | Precipitation | 51  | 51  | 66  | 71  | 86 | 89 | 84 | 81 | 79 | 66 | 61  | 51  | 836 |    |
|                                  | Temperature   | -4  | -3  | 2   | 9   | 14 | 20 | 23 | 22 | 19 | 12 | 5   | -1  | 10  | 27 |
| <b>Churchill, Man., Canada</b>   |               |     |     |     |     |    |    |    |    |    |    |     |     |     |    |
| 13 m                             | Precipitation | 15  | 13  | 18  | 23  | 32 | 44 | 46 | 58 | 51 | 43 | 39  | 21  | 402 |    |
|                                  | Temperature   | -28 | -26 | -20 | -10 | -2 | 6  | 12 | 11 | 5  | -2 | -12 | -22 | -7  | 40 |



|                                      |               | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Year  | Annual range |
|--------------------------------------|---------------|------|------|------|------|-----|------|------|------|-------|------|------|------|-------|--------------|
| <b>Edmonton, Alta., Canada</b>       |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
|                                      | Precipitation | 25   | 19   | 19   | 22   | 43  | 77   | 89   | 78   | 39    | 17   | 16   | 25   | 466   |              |
| 676 m                                | Temperature   | −15  | −10  | −5   | 4    | 11  | 15   | 17   | 16   | 11    | 6    | −4   | −10  | 3     | 32           |
| <b>Honolulu, Hawaii, U.S.A.</b>      |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
|                                      | Precipitation | 104  | 66   | 79   | 48   | 25  | 18   | 23   | 28   | 36    | 48   | 64   | 104  | 643   |              |
| 12 m                                 | Temperature   | 23   | 18   | 19   | 20   | 22  | 24   | 25   | 26   | 26    | 24   | 22   | 19   | 22    | 8            |
| <b>Houston, Tex., U.S.A.</b>         |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
|                                      | Precipitation | 89   | 76   | 84   | 91   | 119 | 117  | 99   | 99   | 104   | 94   | 89   | 109  | 1 171 |              |
| 12 m                                 | Temperature   | 12   | 13   | 17   | 21   | 24  | 27   | 28   | 29   | 26    | 22   | 16   | 12   | 21    | 17           |
| <b>Kingston, Jamaica</b>             |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
|                                      | Precipitation | 23   | 15   | 23   | 31   | 102 | 89   | 38   | 91   | 99    | 180  | 74   | 36   | 800   |              |
| 34 m                                 | Temperature   | 25   | 25   | 25   | 26   | 26  | 28   | 28   | 28   | 27    | 27   | 26   | 26   | 26    | 3            |
| <b>Los Angeles, Calif., U.S.A.</b>   |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
|                                      | Precipitation | 79   | 76   | 71   | 25   | 10  | 3    | <3   | <3   | 5     | 15   | 31   | 66   | 381   |              |
| 95 m                                 | Temperature   | 13   | 14   | 14   | 16   | 17  | 19   | 21   | 22   | 21    | 18   | 16   | 14   | 17    | 9            |
| <b>Mexico City, Mexico</b>           |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
|                                      | Precipitation | 13   | 5    | 10   | 20   | 53  | 119  | 170  | 152  | 130   | 51   | 18   | 8    | 747   |              |
| 2 309 m                              | Temperature   | 12   | 13   | 16   | 18   | 19  | 19   | 17   | 18   | 18    | 16   | 14   | 13   | 16    | 7            |
| <b>Miami, Fla., U.S.A.</b>           |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
|                                      | Precipitation | 71   | 53   | 64   | 81   | 173 | 178  | 155  | 160  | 203   | 234  | 71   | 51   | 1 516 |              |
| 8 m                                  | Temperature   | 20   | 20   | 22   | 23   | 25  | 27   | 28   | 28   | 27    | 25   | 22   | 21   | 24    | 8            |
| <b>Montréal, Que., Canada</b>        |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
|                                      | Precipitation | 72   | 65   | 74   | 74   | 66  | 82   | 90   | 92   | 88    | 76   | 81   | 87   | 946   |              |
| 57 m                                 | Temperature   | −10  | −9   | −3   | −6   | 13  | 18   | 21   | 20   | 15    | 9    | 2    | −7   | 6     | 31           |
| <b>New York, N.Y., U.S.A.</b>        |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
|                                      | Precipitation | 94   | 97   | 91   | 81   | 81  | 84   | 107  | 109  | 86    | 89   | 76   | 91   | 1 092 |              |
| 96 m                                 | Temperature   | −1   | −1   | 3    | 10   | 16  | 20   | 23   | 23   | 21    | 15   | 7    | 2    | 8     | 24           |
| <b>St. Louis, Mo., U.S.A.</b>        |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
|                                      | Precipitation | 58   | 64   | 89   | 97   | 114 | 114  | 89   | 86   | 81    | 74   | 71   | 64   | 1 001 |              |
| 173 m                                | Temperature   | 0    | 1    | 7    | 13   | 19  | 24   | 26   | 26   | 22    | 15   | 8    | 2    | 14    | 26           |
| <b>San Francisco, Calif., U.S.A.</b> |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
|                                      | Precipitation | 119  | 97   | 79   | 38   | 18  | 3    | <3   | <3   | 8     | 25   | 64   | 112  | 561   |              |
| 16 m                                 | Temperature   | 10   | 12   | 13   | 13   | 14  | 15   | 15   | 15   | 17    | 16   | 14   | 11   | 14    | 7            |
| <b>San José, Costa Rica</b>          |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
|                                      | Precipitation | 15   | 5    | 20   | 46   | 229 | 241  | 211  | 241  | 305   | 300  | 145  | 41   | 1 798 |              |
| 1 146 m                              | Temperature   | 19   | 19   | 21   | 21   | 22  | 21   | 21   | 21   | 21    | 20   | 20   | 19   | 20    | 2            |
| <b>Vancouver, B.C., Canada</b>       |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
|                                      | Precipitation | 154  | 115  | 101  | 60   | 52  | 45   | 32   | 41   | 67    | 114  | 150  | 182  | 1 113 |              |
| 14 m                                 | Temperature   | 3    | 5    | 6    | 9    | 12  | 15   | 17   | 17   | 14    | 10   | 6    | 4    | 10    | 14           |
| <b>Washington, D.C., U.S.A.</b>      |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
|                                      | Precipitation | 86   | 76   | 91   | 84   | 94  | 99   | 112  | 109  | 94    | 74   | 66   | 79   | 1 064 |              |
| 22 m                                 | Temperature   | 1    | 2    | 7    | 12   | 18  | 23   | 25   | 24   | 20    | 14   | 8    | 3    | 13    | 24           |

## AMERICA, SOUTH

|                                |               |     |     |     |     |     |     |     |     |     |     |     |     |       |    |
|--------------------------------|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|----|
| <b>Antofagasta, Chile</b>      |               |     |     |     |     |     |     |     |     |     |     |     |     |       |    |
|                                | Precipitation | 0   | 0   | 0   | <3  | <3  | 3   | 5   | 3   | <3  | 3   | <3  | 0   | 13    |    |
| 94 m                           | Temperature   | 21  | 21  | 20  | 18  | 16  | 15  | 14  | 14  | 15  | 16  | 18  | 19  | 17    | 7  |
| <b>Buenos Aires, Argentina</b> |               |     |     |     |     |     |     |     |     |     |     |     |     |       |    |
|                                | Precipitation | 79  | 71  | 109 | 89  | 76  | 61  | 56  | 61  | 79  | 86  | 84  | 99  | 950   |    |
| 27 m                           | Temperature   | 23  | 23  | 21  | 17  | 13  | 9   | 10  | 11  | 13  | 15  | 19  | 22  | 16    | 14 |
| <b>Caracas, Venezuela</b>      |               |     |     |     |     |     |     |     |     |     |     |     |     |       |    |
|                                | Precipitation | 23  | 10  | 15  | 33  | 79  | 102 | 109 | 109 | 107 | 109 | 94  | 46  | 836   |    |
| 1 042 m                        | Temperature   | 19  | 19  | 20  | 21  | 22  | 21  | 21  | 21  | 21  | 21  | 20  | 20  | 21    | 3  |
| <b>Lima, Peru</b>              |               |     |     |     |     |     |     |     |     |     |     |     |     |       |    |
|                                | Precipitation | 3   | <3  | <3  | <3  | 5   | 5   | 8   | 8   | 8   | 3   | 3   | <3  | 41    |    |
| 120 m                          | Temperature   | 23  | 24  | 24  | 22  | 19  | 17  | 17  | 16  | 17  | 18  | 19  | 21  | 20    | 8  |
| <b>Manaus, Brazil</b>          |               |     |     |     |     |     |     |     |     |     |     |     |     |       |    |
|                                | Precipitation | 249 | 231 | 262 | 221 | 170 | 84  | 58  | 38  | 46  | 107 | 142 | 203 | 1 811 |    |
| 44 m                           | Temperature   | 28  | 28  | 28  | 27  | 28  | 28  | 28  | 28  | 29  | 29  | 29  | 28  | 28    | 2  |
| <b>Paraná, Brazil</b>          |               |     |     |     |     |     |     |     |     |     |     |     |     |       |    |
|                                | Precipitation | 287 | 236 | 239 | 102 | 13  | <3  | 3   | 5   | 28  | 127 | 231 | 310 | 1 582 |    |
| 260 m                          | Temperature   | 23  | 23  | 23  | 23  | 23  | 21  | 21  | 22  | 24  | 24  | 24  | 23  | 23    | 3  |
| <b>Quito, Ecuador</b>          |               |     |     |     |     |     |     |     |     |     |     |     |     |       |    |
|                                | Precipitation | 99  | 112 | 142 | 175 | 137 | 43  | 20  | 31  | 69  | 112 | 97  | 79  | 1 115 |    |
| 2 879 m                        | Temperature   | 15  | 15  | 15  | 15  | 15  | 14  | 14  | 15  | 15  | 15  | 15  | 15  | 15    | 1  |
| <b>Rio de Janeiro, Brazil</b>  |               |     |     |     |     |     |     |     |     |     |     |     |     |       |    |
|                                | Precipitation | 125 | 122 | 130 | 107 | 79  | 53  | 41  | 43  | 66  | 79  | 104 | 137 | 1 082 |    |
| 61 m                           | Temperature   | 26  | 26  | 25  | 24  | 22  | 21  | 21  | 21  | 21  | 22  | 23  | 25  | 23    | 5  |
| <b>Santiago, Chile</b>         |               |     |     |     |     |     |     |     |     |     |     |     |     |       |    |
|                                | Precipitation | 3   | 3   | 5   | 13  | 64  | 84  | 76  | 56  | 31  | 15  | 8   | 5   | 358   |    |
| 520 m                          | Temperature   | 21  | 20  | 18  | 15  | 12  | 9   | 9   | 10  | 12  | 15  | 17  | 19  | 15    | 12 |



| ASIA                             |               | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Year  | Annual range |
|----------------------------------|---------------|------|------|------|------|-----|------|------|------|-------|------|------|------|-------|--------------|
| <b>Bahrain</b>                   |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 5 m                              | Precipitation | 8    | 18   | 13   | 8    | < 3 | 0    | 0    | 0    | 0     | 0    | 18   | 18   | 81    | 16           |
|                                  | Temperature   | 17   | 18   | 21   | 25   | 29  | 32   | 33   | 34   | 31    | 28   | 24   | 19   | 26    |              |
| <b>Bangkok, Thailand</b>         |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 2 m                              | Precipitation | 8    | 20   | 36   | 58   | 198 | 160  | 160  | 175  | 305   | 206  | 66   | 5    | 1 397 | 5            |
|                                  | Temperature   | 26   | 28   | 29   | 30   | 29  | 29   | 28   | 28   | 28    | 28   | 26   | 25   | 28    |              |
| <b>Beirut, Lebanon</b>           |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 34 m                             | Precipitation | 191  | 158  | 94   | 53   | 18  | 3    | < 3  | < 3  | 5     | 51   | 132  | 185  | 892   | 14           |
|                                  | Temperature   | 14   | 14   | 16   | 18   | 22  | 24   | 27   | 28   | 26    | 24   | 19   | 16   | 21    |              |
| <b>Bombay, India</b>             |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 11 m                             | Precipitation | 3    | 3    | 3    | < 3  | 18  | 485  | 617  | 340  | 264   | 64   | 13   | 3    | 1 809 | 6            |
|                                  | Temperature   | 24   | 24   | 26   | 28   | 30  | 29   | 27   | 27   | 27    | 28   | 27   | 26   | 27    |              |
| <b>Calcutta, India</b>           |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 6 m                              | Precipitation | 10   | 31   | 36   | 43   | 140 | 297  | 325  | 328  | 252   | 114  | 20   | 5    | 1 600 | 11           |
|                                  | Temperature   | 20   | 22   | 27   | 30   | 30  | 30   | 29   | 29   | 29    | 28   | 23   | 19   | 26    |              |
| <b>Colombo, Sri Lanka</b>        |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 7 m                              | Precipitation | 89   | 69   | 147  | 231  | 371 | 224  | 135  | 109  | 160   | 348  | 315  | 147  | 2 365 | 2            |
|                                  | Temperature   | 26   | 26   | 27   | 28   | 28  | 27   | 27   | 27   | 27    | 27   | 26   | 26   | 27    |              |
| <b>Harbin, China</b>             |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 160 m                            | Precipitation | 5    | 5    | 10   | 23   | 43  | 94   | 112  | 104  | 46    | 33   | 8    | 5    | 488   | 40           |
|                                  | Temperature   | −18  | −15  | −5   | 6    | 13  | 19   | 22   | 21   | 14    | 4    | −6   | −16  | 3     |              |
| <b>Ho Chi Minh City, Vietnam</b> |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 9 m                              | Precipitation | 15   | 3    | 13   | 43   | 221 | 330  | 315  | 269  | 335   | 269  | 114  | 56   | 1 984 | 4            |
|                                  | Temperature   | 26   | 27   | 29   | 30   | 29  | 28   | 28   | 28   | 27    | 27   | 27   | 26   | 28    |              |
| <b>Jakarta, Indonesia</b>        |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 8 m                              | Precipitation | 300  | 300  | 211  | 147  | 114 | 97   | 64   | 43   | 66    | 112  | 142  | 203  | 1 798 | 1            |
|                                  | Temperature   | 26   | 26   | 27   | 27   | 27  | 27   | 27   | 27   | 27    | 27   | 27   | 26   | 27    |              |
| <b>Hong Kong</b>                 |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 33 m                             | Precipitation | 33   | 46   | 74   | 137  | 292 | 394  | 381  | 361  | 257   | 114  | 43   | 31   | 2 162 | 13           |
|                                  | Temperature   | 16   | 15   | 18   | 22   | 26  | 28   | 28   | 28   | 27    | 25   | 21   | 18   | 23    |              |
| <b>Kabul, Afghanistan</b>        |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 1 815 m                          | Precipitation | 31   | 36   | 94   | 102  | 20  | 5    | 3    | 3    | < 3   | 15   | 20   | 10   | 338   | 28           |
|                                  | Temperature   | −3   | −1   | 6    | 13   | 18  | 22   | 25   | 24   | 20    | 14   | 7    | 3    | 12    |              |
| <b>Karachi, Pakistan</b>         |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 4 m                              | Precipitation | 13   | 10   | 8    | 3    | 3   | 18   | 81   | 41   | 13    | < 3  | 3    | 5    | 196   | 12           |
|                                  | Temperature   | 19   | 20   | 24   | 28   | 30  | 31   | 30   | 29   | 28    | 28   | 24   | 20   | 26    |              |
| <b>New Delhi, India</b>          |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 218 m                            | Precipitation | 23   | 18   | 13   | 8    | 13  | 74   | 180  | 172  | 117   | 10   | 3    | 10   | 640   | 20           |
|                                  | Temperature   | 14   | 17   | 23   | 28   | 33  | 34   | 31   | 30   | 29    | 26   | 20   | 15   | 25    |              |
| <b>Shanghai, China</b>           |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 7 m                              | Precipitation | 48   | 58   | 84   | 94   | 94  | 180  | 147  | 142  | 130   | 71   | 51   | 36   | 1 135 | 24           |
|                                  | Temperature   | 4    | 5    | 9    | 14   | 20  | 24   | 28   | 28   | 23    | 19   | 12   | 7    | 16    |              |
| <b>Singapore</b>                 |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 10 m                             | Precipitation | 252  | 173  | 193  | 188  | 173 | 173  | 170  | 196  | 178   | 208  | 254  | 257  | 2 413 | 2            |
|                                  | Temperature   | 26   | 27   | 28   | 28   | 28  | 28   | 28   | 27   | 27    | 27   | 27   | 27   | 27    |              |
| <b>Tehran, Iran</b>              |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 1 220 m                          | Precipitation | 46   | 38   | 46   | 36   | 13  | 3    | 3    | 3    | 3     | 8    | 20   | 31   | 246   | 28           |
|                                  | Temperature   | 2    | 5    | 9    | 16   | 21  | 26   | 30   | 29   | 25    | 18   | 12   | 6    | 17    |              |
| <b>Tokyo, Japan</b>              |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 6 m                              | Precipitation | 48   | 74   | 107  | 135  | 147 | 165  | 142  | 152  | 234   | 208  | 97   | 56   | 1 565 | 23           |
|                                  | Temperature   | 3    | 4    | 7    | 13   | 17  | 21   | 25   | 26   | 23    | 17   | 11   | 6    | 14    |              |
| <b>Ulan Bator, Mongolia</b>      |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 1 325 m                          | Precipitation | < 3  | < 3  | 3    | 5    | 10  | 28   | 76   | 51   | 23    | 5    | 5    | 3    | 208   | 42           |
|                                  | Temperature   | −26  | −21  | −13  | −1   | 6   | 14   | 16   | 14   | 8     | −1   | −13  | −22  | −3    |              |

## AUSTRALIA, NEW ZEALAND and ANTARCTICA

|                                  |               |     |     |     |     |     |     |     |     |     |     |     |     |       |    |
|----------------------------------|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|----|
| <b>Alice Springs, Australia</b>  |               |     |     |     |     |     |     |     |     |     |     |     |     |       |    |
| 579 m                            | Precipitation | 43  | 33  | 28  | 10  | 15  | 13  | 8   | 8   | 8   | 18  | 31  | 38  | 252   | 17 |
|                                  | Temperature   | 29  | 28  | 25  | 20  | 15  | 12  | 12  | 14  | 18  | 23  | 26  | 28  | 21    |    |
| <b>Christchurch, New Zealand</b> |               |     |     |     |     |     |     |     |     |     |     |     |     |       |    |
| 10 m                             | Precipitation | 56  | 43  | 48  | 48  | 66  | 66  | 69  | 48  | 46  | 43  | 48  | 56  | 638   | 10 |
|                                  | Temperature   | 16  | 16  | 14  | 12  | 9   | 6   | 6   | 7   | 9   | 12  | 14  | 16  | 11    |    |
| <b>Darwin, Australia</b>         |               |     |     |     |     |     |     |     |     |     |     |     |     |       |    |
| 30 m                             | Precipitation | 386 | 312 | 254 | 97  | 15  | 3   | < 3 | 3   | 13  | 51  | 119 | 239 | 1 491 | 5  |
|                                  | Temperature   | 29  | 29  | 29  | 29  | 28  | 26  | 25  | 26  | 28  | 29  | 30  | 29  | 28    |    |
| <b>Mawson, Antarctica</b>        |               |     |     |     |     |     |     |     |     |     |     |     |     |       |    |
| 14 m                             | Precipitation | 11  | 30  | 20  | 10  | 44  | 180 | 4   | 40  | 3   | 20  | 0   | 0   | 362   | 18 |
|                                  | Temperature   | 0   | −5  | −10 | −14 | −15 | −16 | −18 | −18 | −19 | −13 | −5  | −1  | −11   |    |



|                                 |               | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Year  | Annual Range |
|---------------------------------|---------------|------|------|------|------|-----|------|------|------|-------|------|------|------|-------|--------------|
| <b>Melbourne, Australia</b>     |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 35 m                            | Precipitation | 48   | 46   | 56   | 58   | 53  | 53   | 48   | 48   | 58    | 66   | 58   | 58   | 653   |              |
|                                 | Temperature   | 20   | 20   | 18   | 15   | 13  | 10   | 9    | 11   | 13    | 14   | 16   | 18   | 15    | 11           |
| <b>Perth, Australia</b>         |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 60 m                            | Precipitation | 8    | 10   | 20   | 43   | 130 | 180  | 170  | 149  | 86    | 56   | 20   | 13   | 881   |              |
|                                 | Temperature   | 23   | 23   | 22   | 19   | 16  | 14   | 13   | 13   | 15    | 16   | 19   | 22   | 18    | 10           |
| <b>Sydney, Australia</b>        |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 42 m                            | Precipitation | 89   | 102  | 127  | 135  | 127 | 117  | 117  | 76   | 73    | 71   | 73   | 73   | 1 181 |              |
|                                 | Temperature   | 22   | 22   | 21   | 18   | 15  | 13   | 12   | 13   | 15    | 18   | 19   | 21   | 17    | 10           |
| <b>EUROPE and U.S.S.R.</b>      |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| <b>Archangel, U.S.S.R.</b>      |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 13 m                            | Precipitation | 31   | 19   | 25   | 29   | 42  | 52   | 62   | 56   | 63    | 63   | 47   | 41   | 530   |              |
|                                 | Temperature   | −16  | −14  | −9   | 0    | 7   | 12   | 15   | 14   | 8     | 2    | −4   | −11  | 0     | 31           |
| <b>Athens, Greece</b>           |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 107 m                           | Precipitation | 62   | 37   | 37   | 23   | 23  | 14   | 6    | 7    | 15    | 51   | 56   | 71   | 402   |              |
|                                 | Temperature   | 10   | 10   | 12   | 16   | 20  | 25   | 28   | 28   | 24    | 20   | 15   | 11   | 18    | 18           |
| <b>Berlin, Germany</b>          |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 55 m                            | Precipitation | 46   | 40   | 33   | 42   | 49  | 65   | 73   | 69   | 48    | 49   | 46   | 43   | 603   |              |
|                                 | Temperature   | −1   | 0    | 4    | 9    | 14  | 17   | 19   | 18   | 15    | 9    | 5    | 1    | 9     | 20           |
| <b>Istanbul, Turkey</b>         |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 114 m                           | Precipitation | 109  | 92   | 72   | 46   | 38  | 34   | 34   | 30   | 58    | 81   | 103  | 119  | 816   |              |
|                                 | Temperature   | 5    | 6    | 7    | 11   | 16  | 20   | 23   | 23   | 20    | 16   | 12   | 8    | 14    | 18           |
| <b>Kazalinsk, U.S.S.R.</b>      |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 63 m                            | Precipitation | 10   | 10   | 13   | 13   | 15  | 5    | 5    | 8    | 8     | 10   | 13   | 15   | 125   |              |
|                                 | Temperature   | −12  | −11  | −3   | 6    | 18  | 23   | 25   | 23   | 16    | 8    | −1   | −7   | 7     | 37           |
| <b>Lisbon, Portugal</b>         |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 77 m                            | Precipitation | 111  | 76   | 109  | 54   | 44  | 16   | 3    | 4    | 33    | 62   | 93   | 103  | 708   |              |
|                                 | Temperature   | 11   | 12   | 14   | 16   | 17  | 20   | 22   | 23   | 21    | 18   | 14   | 12   | 17    | 12           |
| <b>London, U.K.</b>             |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 5 m                             | Precipitation | 54   | 40   | 37   | 37   | 46  | 45   | 57   | 59   | 49    | 57   | 64   | 48   | 593   |              |
|                                 | Temperature   | 4    | 5    | 7    | 9    | 12  | 16   | 18   | 17   | 15    | 11   | 8    | 5    | 11    | 14           |
| <b>Málaga, Spain</b>            |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 33 m                            | Precipitation | 61   | 51   | 62   | 46   | 26  | 5    | 1    | 3    | 29    | 64   | 64   | 62   | 474   |              |
|                                 | Temperature   | 12   | 13   | 15   | 17   | 19  | 29   | 25   | 26   | 23    | 20   | 16   | 13   | 18    | 17           |
| <b>Moscow, U.S.S.R.</b>         |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 156 m                           | Precipitation | 39   | 38   | 36   | 37   | 53  | 58   | 88   | 71   | 58    | 45   | 47   | 54   | 624   |              |
|                                 | Temperature   | −13  | −10  | −4   | 6    | 13  | 16   | 18   | 17   | 12    | 6    | −1   | −7   | 4     | 31           |
| <b>Odessa, U.S.S.R.</b>         |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 64 m                            | Precipitation | 57   | 62   | 30   | 21   | 34  | 34   | 42   | 37   | 37    | 13   | 35   | 71   | 473   |              |
|                                 | Temperature   | −3   | −1   | 2    | 9    | 15  | 20   | 22   | 22   | 18    | 12   | 9    | 1    | 10    | 25           |
| <b>Omsk, U.S.S.R.</b>           |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 85 m                            | Precipitation | 15   | 8    | 8    | 13   | 31  | 51   | 51   | 51   | 28    | 25   | 18   | 20   | 318   |              |
|                                 | Temperature   | −22  | −19  | −12  | −1   | 10  | 16   | 18   | 16   | 10    | 1    | −11  | −18  | −1    | 40           |
| <b>Palma de Mallorca, Spain</b> |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 10 m                            | Precipitation | 39   | 34   | 51   | 32   | 29  | 17   | 3    | 25   | 55    | 77   | 47   | 40   | 449   |              |
|                                 | Temperature   | 10   | 11   | 12   | 15   | 17  | 21   | 24   | 25   | 23    | 18   | 14   | 11   | 17    | 15           |
| <b>Paris, France</b>            |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 75 m                            | Precipitation | 56   | 46   | 35   | 42   | 57  | 54   | 59   | 64   | 55    | 50   | 51   | 50   | 619   |              |
|                                 | Temperature   | 3    | 4    | 8    | 11   | 15  | 18   | 20   | 19   | 17    | 12   | 7    | 4    | 12    | 17           |
| <b>Rome, Italy</b>              |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 17 m                            | Precipitation | 71   | 62   | 57   | 51   | 46  | 37   | 15   | 21   | 63    | 99   | 129  | 93   | 744   |              |
|                                 | Temperature   | 8    | 9    | 11   | 14   | 18  | 22   | 25   | 25   | 22    | 17   | 13   | 10   | 16    | 17           |
| <b>Shannon, Irish Republic</b>  |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 2 m                             | Precipitation | 94   | 67   | 56   | 53   | 61  | 57   | 77   | 79   | 86    | 86   | 96   | 117  | 929   |              |
|                                 | Temperature   | 5    | 5    | 7    | 9    | 12  | 14   | 16   | 16   | 14    | 11   | 8    | 6    | 10    | 11           |
| <b>Stavanger, Norway</b>        |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 85 m                            | Precipitation | 93   | 56   | 45   | 70   | 49  | 84   | 93   | 118  | 142   | 129  | 125  | 126  | 1 130 |              |
|                                 | Temperature   | 1    | 1    | 3    | 6    | 10  | 13   | 15   | 15   | 13    | 9    | 6    | 3    | 8     | 14           |
| <b>Stockholm, Sweden</b>        |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 44 m                            | Precipitation | 43   | 30   | 25   | 31   | 34  | 45   | 61   | 76   | 60    | 48   | 53   | 48   | 554   |              |
|                                 | Temperature   | −3   | −3   | −1   | 5    | 10  | 15   | 18   | 17   | 12    | 7    | 3    | 0    | 7     | 21           |
| <b>Verkhoyansk, U.S.S.R.</b>    |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 100 m                           | Precipitation | 5    | 5    | 3    | 5    | 8   | 23   | 28   | 25   | 13    | 8    | 8    | 5    | 134   |              |
|                                 | Temperature   | −50  | −45  | −32  | −15  | 0   | 12   | 14   | 9    | 2     | −15  | −38  | −48  | −17   | 64           |
| <b>Warsaw, Poland</b>           |               |      |      |      |      |     |      |      |      |       |      |      |      |       |              |
| 110 m                           | Precipitation | 27   | 32   | 27   | 37   | 46  | 69   | 96   | 65   | 43    | 38   | 31   | 44   | 555   |              |
|                                 | Temperature   | −3   | −3   | 2    | 7    | 14  | 17   | 19   | 18   | 14    | 9    | 3    | 0    | 8     | 22           |



# INDEX

The number printed in bold type against each index entry indicates the map page where the feature will be found. The geographical coordinates which follow the name are sometimes only approximate but are close enough for the place name to be located.

An open square □ signifies that the name refers to an administrative subdivision of a country while a solid square ■ follows the name of a country.

The alphabetical order of names composed of two or more words is governed primarily by the first word and then by the second. This rule applies even if the second word is a description or its abbreviation, R., L., I. for example. Names

composed of a proper name (Gibraltar) and a description (Strait of) are positioned alphabetically by the proper name. If the same place name occurs twice or more times in the index and all are in the same country, each is followed by the name of the administrative subdivision in which it is located. The names are placed in the alphabetical order of the subdivisions. If the same place name occurs twice or more in the index and the places are in different countries they will be followed by their country names, the latter governing the alphabetical order. In a mixture of these situations the primary order is fixed by the alphabetical sequence of the countries and the secondary order by that of the country subdivisions.

*A. R.* – Autonomous Region

*A. S. S. R.* – Autonomous Soviet Socialist Republic

*Afr.* – Africa

*Ala.* – Alabama

*Alas.* – Alaska

*Alta.* – Alberta

*Amer.* – America

*Arch.* – Archipelago

*Ariz.* – Arizona

*Ark.* – Arkansas

*Atl. Oc.* – Atlantic Ocean

*Austral.* – Australia

*B.* – Bay, Bight

*B. C.* – British Columbia

*Belg.* – Belgium

*Berks.* – Berkshire

*Br.* – British

*Bucks.* – Buckinghamshire

*C.* – Cabo, Cape

*C. Prov.* – Cape Province

*Calif.* – California

*Cambs.* – Cambridgeshire

*Can.* – Canada

*Cent.* – Central

*Chan.* – Channel

*Ches.* – Cheshire

*Co.* – Country

*Colo.* – Colorado

*Conn.* – Connecticut

*Cord.* – Cordillera

*Corn.* – Cornwall

*Cumb.* – Cumbria

*D. C.* – District of Columbia

*Del.* – Delaware

*Dep.* – Dependency

*Derby.* – Derbyshire

*Des.* – Desert

*Dist.* – District

*Dumf. & Gall.* – Dumfries and Galloway

*E.* – East

*Eng.* – England

*Fed.* – Federal, Federation

*Fla.* – Florida

*Fr.* – France, French

*Fs.* – Falls

*Ft.* – Fort

*G.* – Golf, Golfo, Gulf

*Ga.* – Georgia

*Germ.* – Germany

*Glam.* – Glamorgan

*Glos.* – Gloucestershire

*Gr.* – Grande, Great, Greater, Group

*Hants.* – Hampshire

*Harb.* – Harbour

*Hd.* – Head

*Here. & Worcs.* – Hereford and Worcester

*Herts.* – Hertfordshire

*I. o. M.* – Isle of Man

*I. of W.* – Isle of Wight

*I. (s).* – Île, Island, Isle

*Id.* – Idaho

*Ill.* – Illinois

*Ind.* – Indiana

*Ind. Oc.* – Indian Ocean

*J.* – Jabal, Jabel, Jazira

*Junc.* – Junction

*Kans.* – Kansas

*Ky.* – Kentucky

*L.* – Lac, Lago, Lake, Loch, Lough

*La.* – Louisiana

*Lancs.* – Lancashire

*Leics.* – Leicestershire

*Lim.* – Limerick

*Lincs.* – Lincolnshire

*Lr.* – Lower

*Malay.* – Malaysia

*Man.* – Manitoba

*Manch.* – Manchester

*Mass.* – Massachusetts

*Md.* – Maryland

*Me.* – Maine

*Mich.* – Michigan

*Mid.* – Middle

*Minn.* – Minnesota

*Miss.* – Mississippi

*Mo.* – Missouri

*Mont.* – Montana

*Mt. (e).* – Mont, Monte, Monti, Montaña, Mountain

*N.* – North, Northern, Nouveau

*N. B.* – New Brunswick

*N. C.* – North Carolina

*N. D.* – North Dakota

*N. H.* – New Hampshire

*N. I.* – Northern Ireland

*N. J.* – New Jersey

*N. Mex.* – New Mexico

*N. S.* – Nova Scotia

*N. S. W.* – New South Wales

*N. T.* – Northern Territory

*N. W. T.* – North West Territory

*N. Y.* – New York

*N. Z.* – New Zealand

*Nat.* – National

*Nat Park.* – National Park

*Nebr.* – Nebraska

*Neth.* – Netherlands

*Nev.* – Nevada

*Newf.* – Newfoundland

*Nic.* – Nicaragua

*Norf.* – Norfolk

*Northants.* – Northamptonshire

*Northumb.* – Northumberland

*Notts.* – Nottinghamshire

*Okla.* – Oklahoma

*Ont.* – Ontario

*Or.* – Orientale

*Oreg.* – Oregon

*Oxon.* – Oxfordshire

*Oz.* – Ozero

*P.* – Pass

*Pa.* – Pennsylvania

*Pac. Oc.* – Pacific Ocean

*Pak.* – Pakistan

*Pass.* – Passage

*Pen.* – Peninsula

*Pk.* – Peak

*Plat.* – Plateau

*P-ov.* – Poluostrov

*Port.* – Portugal, Portuguese

*Prov.* – Province, Provincial

*Pt.* – Point

*Pta.* – Punta

*Pte.* – Pointe

*Qué.* – Québec

*Queens.* – Queensland

*R.* – Rio, River

*R. I.* – Rhode Island

*R. S. F. S. R.* – Russian Soviet

Federative Socialist Republic

*Ra. (s).* – Range(s)

*Raj.* – Rajasthan

*Reg.* – Region

*Rep.* – Republic

*Res.* – Reserve, Reservoir

*Rhld.* – Rheinland – Pfalz

*Rosc.* – Roscommon

*S.* – San, South

*S. Afr.* – South Africa

*S. Austral.* – South Australia

*S. C.* – South Carolina

*S. D.* – South Dakota

*S.-Holst.* – Schleswig-Holstein

*S. S. R.* – Soviet Socialist

Republic

*S.-U.* – Sinkiang-Uighur

*Sa.* – Serra, Sierra

*Sask.* – Saskatchewan

*Scot.* – Scotland

*Sd.* – Sound

*Som.* – Somerset

*St.* – Saint

*Sta.* – Santa

*Staffs.* – Staffordshire

*Sto.* – Santo

*Str.* – Strait

*Suff.* – Suffolk

*Switz.* – Switzerland

*Tas.* – Tasmania

*Tenn.* – Tennessee

*Terr.* – Territory

*Tex.* – Texas

*Tipp.* – Tipperary

*Trans.* – Transvaal

*U. K.* – United Kingdom

*U. S. A.* – United States of

America

*U. S. S. R.* – Union of Soviet

Socialist Republics

*Ukr.* – Ukraine

*Va.* – Virginia

*Vic.* – Victoria

*Viet.* – Vietnam

*Vol.* – Volcano

*Vt.* – Vermont

*W.* – Wadi, West

*W. A.* – Western Australia

*W. Isles* – Western Isles

*War.* – Warwickshire

*Wash.* – Washington

*Wilts.* – Wiltshire

*Wis.* – Wisconsin

*Wyo.* – Wyoming

*Yorks.* – Yorkshire

*Yug.* – Yugoslavia

*Zimb.* – Zimbabwe



Aachen

A

|                         |     |    |     |     |     |   |
|-------------------------|-----|----|-----|-----|-----|---|
| Aachen                  | 52  | 50 | 47N | 6   | 4   | E |
| Aalsmeer                | 52  | 52 | 17N | 4   | 43  | E |
| Aalst                   | 52  | 50 | 56N | 4   | 2   | E |
| Aare, R.                | 54  | 47 | 33N | 8   | 14  | E |
| Aba                     | 90  | 5  | 10N | 7   | 19  | E |
| Abadan                  | 71  | 30 | 22N | 48  | 20  | E |
| Abakaliki               | 90  | 6  | 22N | 8   | 2   | E |
| Abashiri                | 76  | 44 | 0N  | 144 | 15  | E |
| Abau                    | 79  | 10 | 11S | 148 | 46  | E |
| Abaya L.                | 89  | 6  | 30N | 37  | 50  | E |
| Abbeville               | 56  | 50 | 6N  | 1   | 49  | E |
| Abbey Town              | 44  | 54 | 50N | 3   | 18W |   |
| Abbeylea                | 51  | 52 | 23N | 9   | 20W |   |
| Abbeyleix               | 51  | 52 | 55N | 7   | 20W |   |
| Abbots Langley          | 41  | 51 | 43N | 0   | 25W |   |
| Abbotsbury              | 43  | 50 | 40N | 2   | 36W |   |
| Abeokuta                | 90  | 7  | 3N  | 3   | 19  | E |
| Aberaeron               | 42  | 52 | 15N | 4   | 16W |   |
| Abercarn                | 43  | 51 | 39N | 3   | 9W  |   |
| Aberchirder             | 48  | 57 | 34N | 2   | 40W |   |
| Aberdare                | 43  | 51 | 43N | 3   | 27W |   |
| Aberdaron               | 42  | 52 | 48N | 4   | 41W |   |
| Aberdeen, S. Afr.       | 94  | 32 | 28S | 24  | 2   | E |
| Aberdeen, U.K.          | 48  | 57 | 9N  | 2   | 6W  |   |
| Aberdeen, S.D., U.S.A.  | 100 | 45 | 30N | 98  | 30W |   |
| Aberdeen, Wash., U.S.A. | 105 | 47 | 0N  | 123 | 50W |   |
| Aberdour                | 47  | 56 | 2N  | 3   | 18W |   |
| Aberfeldy               | 42  | 52 | 33N | 4   | 3W  |   |
| Aberfeldy               | 48  | 56 | 37N | 3   | 50W |   |
| Aberfoyle               | 46  | 56 | 10N | 4   | 23W |   |
| Abergele                | 42  | 53 | 17N | 3   | 35W |   |
| Abernethy               | 47  | 56 | 19N | 3   | 18W |   |
| Abersoch                | 42  | 52 | 50N | 4   | 30W |   |
| Abersychan              | 43  | 51 | 44N | 3   | 3W  |   |
| Abertillery             | 43  | 51 | 44N | 3   | 9W  |   |
| Aberystwyth             | 42  | 52 | 25N | 4   | 6W  |   |
| Abidjan                 | 88  | 5  | 26N | 3   | 58W |   |
| Abilene                 | 100 | 32 | 22N | 99  | 40W |   |
| Abington                | 46  | 55 | 30N | 3   | 42W |   |
| Abnûb                   | 91  | 27 | 18N | 31  | 4   | E |
| Abocho                  | 90  | 7  | 35N | 6   | 56  | E |
| Abomey                  | 88  | 7  | 10N | 2   | 5   | E |
| Abonnema                | 90  | 4  | 41N | 6   | 49  | E |
| Aboyne                  | 48  | 57 | 4N  | 2   | 48W |   |
| Abram                   | 45  | 53 | 30N | 2   | 40W |   |
| Abrantes                | 60  | 39 | 24N | 8   | 7W  |   |
| Abud                    | 55  | 46 | 19N | 23  | 5   | E |
| Abuzzi □                | 58  | 42 | 15N | 14  | 0   | E |
| Abzaroka Ra.            | 100 | 44 | 40N | 110 | 0W  |   |
| Abû Dhabî               | 71  | 24 | 28N | 54  | 36  | E |
| Abu Hamed               | 89  | 19 | 32N | 33  | 13  | E |
| Abu Qurqas              | 91  | 28 | 1N  | 30  | 44  | E |
| Abu Tig                 | 91  | 27 | 4N  | 31  | 15  | E |
| Abuja                   | 90  | 9  | 16N | 7   | 2   | E |
| Acaponeta               | 106 | 22 | 30N | 105 | 20W |   |
| Acapulco de Juárez      | 106 | 16 | 51N | 99  | 56W |   |
| Accra                   | 88  | 5  | 35N | 0   | 6W  |   |
| Accrington              | 45  | 53 | 46N | 2   | 22W |   |
| Achalpur                | 70  | 21 | 22N | 77  | 32  | E |
| Achill Hd.              | 50  | 53 | 59N | 10  | 15W |   |
| Achill I.               | 50  | 53 | 58N | 10  | 5W  |   |
| Achnasheen              | 48  | 57 | 35N | 5   | 5W  |   |
| Ackworth                | 45  | 53 | 39N | 1   | 20W |   |
| Acle                    | 40  | 52 | 38N | 1   | 32  | E |
| Aconagua                | 108 | 32 | 50S | 70  | 0W  |   |
| Acre                    | 89  | 32 | 35N | 35  | 4   | E |
| Adana                   | 71  | 37 | 0N  | 35  | 16  | E |
| Adapazari               | 71  | 40 | 48N | 30  | 25  | E |
| Adare, C.               | 112 | 71 | 0S  | 171 | 0   | E |
| Adda, R.                | 58  | 45 | 8N  | 9   | 53  | E |
| Addis Ababa             | 89  | 9  | 2N  | 38  | 42  | E |
| Addlestone              | 41  | 51 | 22N | 0   | 30W |   |
| Adelaide, Austral.      | 79  | 34 | 52S | 138 | 30  | E |
| Adelaide, S. Afr.       | 94  | 32 | 42S | 26  | 20  | E |
| Adelaide Pen.           | 98  | 68 | 15N | 97  | 30W |   |
| Adélie, Id.             | 112 | 67 | 0S  | 140 | 0   | E |
| Aden, G. of             | 71  | 13 | 0N  | 50  | 0   | E |
| Aden                    | 71  | 12 | 50N | 45  | 0   | E |
| Adige, R.               | 58  | 45 | 9N  | 12  | 20  | E |
| Adirondack Mts.         | 104 | 44 | 9N  | 74  | 15W |   |
| Adjohon                 | 90  | 6  | 41N | 2   | 32  | E |
| Adlington               | 45  | 53 | 36N | 2   | 36W |   |
| Admiralty Is.           | 79  | 2  | 0S  | 147 | 0   | E |
| Ado                     | 90  | 6  | 36N | 2   | 56  | E |
| Ado Ekiti               | 90  | 7  | 38N | 5   | 12  | E |
| Adour, R.               | 56  | 43 | 32N | 1   | 32W |   |
| Adra                    | 60  | 36 | 43N | 3   | 3W  |   |
| Adrano                  | 58  | 37 | 40N | 14  | 49  | E |
| Adriatic Sea            | 58  | 43 | 0N  | 16  | 0   | E |
| Aegean Sea              | 71  | 37 | 0N  | 25  | 0   | E |
| Aerht'ai Shan           | 73  | 46 | 40N | 92  | 45  | E |
| Afghanistan ■           | 71  | 33 | 0N  | 65  | 0   | E |
| Afif                    | 71  | 23 | 53N | 42  | 56  | E |
| Afikpo                  | 90  | 5  | 53N | 7   | 54  | E |
| Africa                  | 92  | 10 | 0N  | 20  | 0   | E |
| Afula                   | 89  | 32 | 37N | 35  | 17  | E |
| Afyon Karahisar         | 71  | 38 | 45N | 30  | 33  | E |
| Agadés                  | 90  | 16 | 58N | 7   | 59  | E |
| Agadir                  | 88  | 30 | 28N | 9   | 35W |   |
| Agano, R.               | 76  | 37 | 50N | 139 | 30  | E |
| Agege                   | 90  | 6  | 35N | 3   | 9   | E |
| Agen                    | 56  | 44 | 12N | 0   | 38  | E |
| Agra                    | 70  | 27 | 17N | 77  | 58  | E |
| Agrirento               | 58  | 37 | 19N | 13  | 33  | E |
| Agua Prieta             | 106 | 31 | 20N | 109 | 32W |   |
| Aguaquilientes          | 106 | 22 | 0N  | 102 | 12W |   |
| Aguilas                 | 60  | 37 | 23N | 1   | 35W |   |
| Aguilhas, C.            | 94  | 34 | 52S | 20  | 0   | E |
| Ahlen                   | 52  | 51 | 45N | 7   | 52  | E |
| Ahmadabad               | 70  | 23 | 0N  | 72  | 40  | E |
| Ahoada                  | 90  | 5  | 8N  | 6   | 36  | E |
| Ahvâz                   | 71  | 31 | 20N | 48  | 40  | E |
| Ahvenanmaa              | 61  | 60 | 15N | 20  | 0   | E |
| Ain el Mafki            | 91  | 27 | 30N | 28  | 15  | E |
| Ainsdale                | 45  | 53 | 37N | 3   | 2W  |   |
| Aintree                 | 45  | 53 | 28N | 2   | 56W |   |
| Air                     | 88  | 18 | 30N | 8   | 0   | E |
| Airdrie                 | 47  | 55 | 53N | 3   | 57W |   |
| Aire, R.                | 44  | 53 | 42N | 1   | 30W |   |

|                                   |     |    |     |     |     |   |
|-----------------------------------|-----|----|-----|-----|-----|---|
| Aisne, R.                         | 56  | 49 | 26N | 2   | 50  | E |
| Aitape                            | 79  | 3  | 11S | 142 | 22  | E |
| Aiud                              | 55  | 46 | 19N | 23  | 44  | E |
| Aix-en-Provence                   | 56  | 43 | 32N | 5   | 27  | E |
| Aix-les-Bains                     | 56  | 45 | 41N | 5   | 53  | E |
| Aizuwakamatsu                     | 76  | 37 | 30N | 139 | 56  | E |
| Ajaccio                           | 56  | 41 | 55N | 8   | 40  | E |
| Ajmer                             | 70  | 26 | 28N | 74  | 37  | E |
| Akaroa                            | 83  | 43 | 49S | 172 | 59  | E |
| Akashi                            | 76  | 34 | 45N | 135 | 0   | E |
| Aketi                             | 92  | 2  | 38N | 23  | 47  | E |
| Akhmim                            | 91  | 26 | 31N | 31  | 47  | E |
| Akita                             | 76  | 39 | 45N | 140 | 0   | E |
| Akola                             | 70  | 20 | 42N | 77  | 2   | E |
| Akpatok I.                        | 92  | 40 | 25N | 68  | 8W  |   |
| Akron                             | 104 | 40 | 13N | 103 | 15W |   |
| Albogay                           | 73  | 44 | 25N | 76  | 44  | E |
| Aku                               | 90  | 6  | 40N | 7   | 18  | E |
| Akure                             | 90  | 7  | 15N | 5   | 5   | E |
| Akyab                             | 70  | 20 | 18N | 92  | 45  | E |
| Al Diwaniyah                      | 71  | 32 | 0N  | 45  | 0   | E |
| Al Hillah                         | 71  | 32 | 30N | 44  | 25  | E |
| Al Hüfuf                          | 71  | 25 | 25N | 49  | 45  | E |
| Al Jawf, Libya                    | 89  | 24 | 10N | 23  | 24  | E |
| Al Jawf, Si Arab.                 | 71  | 29 | 55N | 39  | 40  | E |
| Al Jazir                          | 71  | 18 | 30N | 56  | 31  | E |
| Al Khali                          | 89  | 31 | 32N | 35  | 6   | E |
| Al Kût                            | 71  | 32 | 30N | 46  | 0   | E |
| Al Manamah                        | 71  | 26 | 10N | 50  | 30  | E |
| Al Marj                           | 89  | 32 | 25N | 20  | 30  | E |
| Al Matrah                         | 71  | 23 | 37N | 58  | 30  | E |
| Al Qatif                          | 71  | 26 | 35N | 50  | 0   | E |
| Al Qunfidha                       | 71  | 19 | 3N  | 41  | 4   | E |
| Al Wajh                           | 91  | 26 | 10N | 36  | 30  | E |
| Ala Shan                          | 73  | 40 | 0N  | 104 | 0   | E |
| Alabama □                         | 101 | 33 | 0N  | 87  | 0W  |   |
| Alabama, R.                       | 101 | 31 | 8N  | 87  | 57W |   |
| Alamogordo                        | 100 | 32 | 59N | 106 | 0W  |   |
| Alamosa                           | 100 | 37 | 30N | 106 | 0W  |   |
| Alashanchih                       | 73  | 38 | 58N | 105 | 14  | E |
| Alaska □                          | 98  | 65 | 0N  | 150 | 0W  |   |
| Alaska, G. of                     | 96  | 58 | 0N  | 145 | 0W  |   |
| Alaska Pen.                       | 96  | 56 | 0N  | 160 | 0W  |   |
| Alaska Range                      | 98  | 62 | 50N | 151 | 0W  |   |
| Alba                              | 58  | 44 | 41N | 8   | 1   | E |
| Alba de Tormes                    | 60  | 40 | 50N | 5   | 30W |   |
| Alba-Iulia                        | 55  | 46 | 8N  | 23  | 39  | E |
| Albacete                          | 60  | 39 | 0N  | 1   | 50W |   |
| Albania ■                         | 23  | 41 | 0N  | 20  | 0   | E |
| Albany, Austral.                  | 78  | 35 | 5S  | 117 | 58  | E |
| Albany, Ga., U.S.A.               | 101 | 31 | 40N | 84  | 10W |   |
| Albany, N.Y., U.S.A.              | 104 | 42 | 35N | 73  | 47W |   |
| Albany, Oreg., U.S.A.             | 105 | 44 | 41N | 123 | 0W  |   |
| Alberche, R.                      | 60  | 40 | 10N | 4   | 30W |   |
| Albert, L. = Mobutu Sese Seko, L. | 92  | 1  | 30N | 31  | 0   | E |
| Alberta □                         | 98  | 54 | 40N | 115 | 0W  |   |
| Albi                              | 56  | 43 | 56N | 2   | 9   | E |
| Alborg                            | 61  | 57 | 2N  | 9   | 54  | E |
| Albrighton                        | 41  | 52 | 38N | 2   | 17W |   |
| Albuquerque                       | 100 | 35 | 5N  | 106 | 47W |   |
| Albuquerque                       | 60  | 39 | 15N | 6   | 59W |   |
| Albury                            | 79  | 36 | 3S  | 146 | 56  | E |
| Alcaniz                           | 60  | 41 | 2N  | 0   | 8W  |   |
| Alcantara                         | 60  | 39 | 41N | 6   | 57W |   |
| Alcaraz, Sierra de                | 60  | 38 | 40N | 2   | 20W |   |
| Alcazar de San Juan               | 60  | 39 | 24N | 3   | 12W |   |
| Alcester                          | 42  | 52 | 13N | 1   | 52W |   |
| Alcira                            | 60  | 39 | 9N  | 0   | 30W |   |
| Alcoy                             | 60  | 38 | 43N | 0   | 30W |   |
| Aldeburgh                         | 40  | 52 | 9N  | 1   | 35  | E |
| Alderley Edge                     | 45  | 53 | 18N | 2   | 15W |   |
| Alderney, I.                      | 43  | 49 | 42N | 2   | 12W |   |
| Aldershot                         | 41  | 51 | 15N | 0   | 43W |   |
| Aldridge                          | 41  | 52 | 36N | 1   | 55W |   |
| Alençon                           | 56  | 48 | 27N | 0   | 4   | E |
| Alleppe                           | 71  | 36 | 10N | 37  | 15  | E |
| Ales                              | 56  | 44 | 9N  | 4   | 5   | E |
| Alessandria                       | 58  | 44 | 54N | 8   | 37  | E |
| Alesund                           | 61  | 62 | 28N | 6   | 12  | E |
| Alexander I.                      | 112 | 69 | 0S  | 70  | 0W  |   |
| Alexandra                         | 83  | 45 | 14S | 169 | 25  | E |
| Alexandria, Can.                  | 98  | 52 | 35N | 122 | 27W |   |
| Alexandria, Egypt                 | 91  | 31 | 0N  | 30  | 0   | E |
| Alexandria, U.K.                  | 47  | 55 | 59N | 4   | 40W |   |
| Alexandria, U.S.A.                | 101 | 31 | 20N | 92  | 30W |   |
| Alexandrina, L.                   | 79  | 35 | 25S | 139 | 10  | E |
| Alford, Grampian, U.K.            | 48  | 57 | 13N | 2   | 42W |   |
| Alford, Lincs., U.K.              | 44  | 53 | 16N | 0   | 10  | E |
| Alfreton                          | 44  | 53 | 6N  | 1   | 22W |   |
| Algarve                           | 60  | 37 | 15N | 8   | 10W |   |
| Algiciras                         | 60  | 36 | 9N  | 5   | 28W |   |
| Algemesi                          | 60  | 39 | 11N | 0   | 27W |   |
| Algeria ■                         | 88  | 35 | 10N | 3   | 11  | E |
| Algiers                           | 58  | 40 | 34N | 8   | 20  | E |
| Algoa B.                          | 88  | 36 | 42N | 3   | 8   | E |
| Alhambra                          | 94  | 33 | 50S | 25  | 45  | E |
| Alicante                          | 100 | 34 | 2N  | 118 | 10W |   |
| Alice Springs                     | 60  | 38 | 23N | 0   | 30W |   |
| Aligarh                           | 78  | 23 | 40N | 135 | 50  | E |
| Alilwal North                     | 70  | 25 | 35N | 76  | 15  | E |
| Alkmaar                           | 94  | 30 | 45S | 26  | 45  | E |
| Allahabad                         | 52  | 52 | 37N | 4   | 45  | E |
| Allaqui, Wadi                     | 70  | 25 | 25N | 81  | 58  | E |
| Allegheny Mts.                    | 91  | 22 | 15N | 34  | 55  | E |
| Allen, Bog of                     | 101 | 38 | 0N  | 80  | 0W  |   |
| Allen, L.                         | 51  | 53 | 15N | 7   | 0W  |   |
| Allentown                         | 50  | 54 | 12N | 8   | 5W  |   |
| Alliance                          | 104 | 40 | 36N | 75  | 30W |   |
| Allier, R.                        | 100 | 42 | 10N | 102 | 50W |   |
| Alloa                             | 56  | 46 | 57N | 3   | 4   | E |
| Alma Ata                          | 47  | 56 | 7N  | 3   | 49W |   |
| Almada                            | 73  | 43 | 15N | 76  | 57  | E |
| Almadén                           | 60  | 38 | 40N | 9   | 9W  |   |
| Almadén                           | 60  | 38 | 49N | 4   | 52W |   |
| Almansa                           | 60  | 38 | 51N | 1   | 5W  |   |
| Almanzor, Pico de                 | 60  | 40 | 15N | 5   | 18W |   |
| Almazán                           | 60  | 41 | 30N | 2   | 30W |   |
| Almelo                            | 52  | 52 | 32N | 6   | 42  | E |
| Almería                           | 60  | 36 | 52N | 2   | 32W |   |
| Almora                            | 70  | 29 | 38N | 79  | 4   | E |
| Alnwick                           | 46  | 55 | 25N | 1   | 42W |   |
| Alor, I.                          | 72  | 8  | 15S | 124 | 30  | E |

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## As Sohar

|                         |     |    |      |     |      |
|-------------------------|-----|----|------|-----|------|
| As Sohar                | 71  | 24 | 20N  | 56  | 40 E |
| Asaba                   | 90  | 6  | 12N  | 6   | 38 E |
| Asahikawa               | 76  | 43 | 45N  | 142 | 30 E |
| Asansol                 | 70  | 23 | 40N  | 87  | 1 E  |
| Asbestos Mts.           | 94  | 29 | 0 S  | 23  | 0 E  |
| Ascension, I.           | 22  | 8  | 0 S  | 14  | 15W  |
| Ascoli Piceno           | 58  | 42 | 51N  | 13  | 34 E |
| Aseb                    | 89  | 13 | 0N   | 42  | 40 E |
| Ash                     | 40  | 51 | 14N  | 0   | 43W  |
| Ashaira                 | 71  | 21 | 40N  | 40  | 40 E |
| Ashan                   | 73  | 41 | 3N   | 122 | 58 E |
| Ashbourne               | 44  | 53 | 2N   | 1   | 44W  |
| Ashburton, N.Z.         | 83  | 43 | 53 S | 171 | 48 E |
| Ashburton, U.K.         | 43  | 50 | 31N  | 3   | 45W  |
| Ashburton, R.           | 78  | 21 | 40 S | 114 | 56 E |
| Ashby-de-la-Zouch       | 45  | 52 | 45N  | 1   | 29W  |
| Asheville               | 101 | 35 | 39N  | 82  | 30W  |
| Ashford                 | 40  | 51 | 8N   | 0   | 53 E |
| Ashington               | 44  | 55 | 12N  | 1   | 35W  |
| Ashkhabad               | 71  | 38 | 0N   | 57  | 50 E |
| Ashland                 | 101 | 38 | 25N  | 82  | 40W  |
| Ashmūn                  | 91  | 30 | 18N  | 30  | 55 E |
| Ashq'elon               | 89  | 31 | 42N  | 34  | 55 E |
| Ashton-in-Makerfield    | 45  | 53 | 29N  | 2   | 39W  |
| Ashton-u.-Lyne          | 45  | 53 | 30N  | 2   | 8 E  |
| Asia                    | 66  | 45 | 0N   | 75  | 0 E  |
| Asinara, G. of          | 58  | 41 | 0N   | 8   | 30 E |
| Asinara I.              | 58  | 41 | 5N   | 8   | 15 E |
| Asir □                  | 89  | 18 | 40N  | 42  | 30 E |
| Askeaton                | 51  | 52 | 37N  | 8   | 58W  |
| Asmera                  | 89  | 15 | 19N  | 38  | 55 E |
| Aspiring, Mt.           | 83  | 44 | 23 S | 168 | 46 E |
| Aspull                  | 45  | 53 | 33N  | 2   | 36W  |
| Assam □                 | 70  | 25 | 45N  | 92  | 30 E |
| Assen                   | 52  | 53 | 0N   | 6   | 35 E |
| Assisi                  | 58  | 43 | 4N   | 12  | 36 E |
| Asti                    | 58  | 44 | 54N  | 8   | 11 E |
| Astorga                 | 60  | 42 | 29N  | 6   | 8W   |
| Astoria                 | 105 | 46 | 16N  | 123 | 50W  |
| Astrakhan               | 62  | 46 | 25N  | 48  | 5 E  |
| Asturias                | 60  | 43 | 15N  | 6   | 0W   |
| Asunción                | 108 | 25 | 21 S | 57  | 30W  |
| Asunción, La            | 107 | 11 | 2N   | 63  | 53W  |
| Aswān                   | 91  | 24 | 4N   | 32  | 57 E |
| Aswan High Dam          | 91  | 24 | 5N   | 32  | 54 E |
| Asyūt                   | 91  | 27 | 11N  | 31  | 4 E  |
| Asyūtī, Wadi            | 91  | 27 | 18N  | 31  | 20 E |
| Atacama Desert          | 108 | 24 | 0 S  | 69  | 20W  |
| Atami                   | 76  | 35 | 0N   | 139 | 55 E |
| Atbara                  | 89  | 17 | 42N  | 33  | 59 E |
| Atbara, R.              | 89  | 17 | 40N  | 33  | 56 E |
| Ath                     | 52  | 50 | 38N  | 3   | 47 E |
| Athabasca               | 98  | 54 | 45N  | 113 | 20W  |
| Athabasca, L.           | 98  | 59 | 15N  | 109 | 15W  |
| Athabasca, R.           | 98  | 58 | 40N  | 110 | 50W  |
| Athenry                 | 51  | 53 | 18N  | 8   | 45W  |
| Athens, Greece          | 89  | 37 | 58N  | 23  | 46 E |
| Athens, U.S.A.          | 101 | 33 | 56N  | 83  | 24W  |
| Atherstone              | 41  | 52 | 35N  | 1   | 32W  |
| Atherton, Austral.      | 79  | 17 | 17 S | 145 | 30 E |
| Atherton, U.K.          | 45  | 53 | 32N  | 2   | 30W  |
| Athlone                 | 51  | 53 | 26N  | 7   | 57W  |
| Atholl, Forest of       | 48  | 56 | 51N  | 3   | 50W  |
| Aty                     | 51  | 53 | 0N   | 7   | 0W   |
| Atlanta                 | 101 | 33 | 50N  | 84  | 24W  |
| Atlantic City           | 104 | 39 | 25N  | 74  | 25W  |
| Atlantic Ocean          | 22  | 0  | 0    | 20  | 0W   |
| Atsumo, mts.            | 90  | 7  | 0N   | 12  | 30 E |
| Attleborough            | 40  | 52 | 32N  | 1   | 1 E  |
| Aube, R.                | 56  | 48 | 34N  | 3   | 17 E |
| Auburn                  | 104 | 42 | 57N  | 76  | 39W  |
| Auchi                   | 90  | 7  | 6N   | 6   | 13 E |
| Auchterarder            | 47  | 56 | 18N  | 3   | 43W  |
| Auchterderran           | 47  | 56 | 8N   | 3   | 16W  |
| Auchtermuchty           | 47  | 56 | 18N  | 3   | 15W  |
| Auckland                | 83  | 36 | 52 S | 174 | 46 E |
| Auckland Is.            | 23  | 51 | 0 S  | 166 | 0 E  |
| Aude, R.                | 56  | 44 | 13N  | 3   | 15 E |
| Audenshaw               | 45  | 53 | 29N  | 2   | 06W  |
| Auegathella             | 73  | 25 | 48 S | 146 | 35 E |
| Aughnacloy              | 50  | 54 | 25N  | 7   | 0W   |
| Aughrim                 | 51  | 52 | 52N  | 6   | 20W  |
| Augsburg                | 54  | 48 | 22N  | 10  | 54 E |
| Augusta, Italy          | 58  | 37 | 14N  | 15  | 12 E |
| Augusta, Ga., U.S.A.    | 101 | 33 | 29N  | 81  | 59W  |
| Augusta, Me., U.S.A.    | 101 | 44 | 20N  | 69  | 46W  |
| Augustus, Mt.           | 78  | 24 | 20 S | 116 | 50 E |
| Aunis                   | 56  | 46 | 0N   | 0   | 50W  |
| Auob, R.                | 94  | 25 | 0 S  | 18  | 50 E |
| Aurangabad              | 70  | 19 | 50N  | 75  | 23 E |
| Aurich                  | 52  | 53 | 28N  | 7   | 30 E |
| Aurora                  | 101 | 41 | 42N  | 88  | 12W  |
| Austerlitz              | 54  | 49 | 10N  | 16  | 52 E |
| Austin                  | 100 | 30 | 20N  | 97  | 45W  |
| Austral Downs           | 79  | 20 | 30 S | 137 | 45 E |
| Australia ■             | 48  | 23 | 0 S  | 135 | 0 E  |
| Australian Alps         | 79  | 36 | 0 S  | 149 | 8 E  |
| Australian Cap. Terr. □ | 79  | 35 | 15 S | 149 | 8 E  |
| Austria ■               | 54  | 47 | 0N   | 14  | 0 E  |
| Auvergne                | 56  | 45 | 20N  | 3   | 0 E  |
| Auxerre                 | 56  | 47 | 48N  | 3   | 32 E |
| Aveiro                  | 60  | 40 | 37N  | 8   | 38 E |
| Avellino                | 58  | 40 | 54N  | 14  | 46 E |
| Aversa                  | 58  | 40 | 58N  | 14  | 11 E |
| Aveyron, R.             | 56  | 44 | 5N   | 1   | 16 E |
| Aviemore                | 48  | 57 | 11N  | 3   | 50W  |
| Avignon                 | 56  | 43 | 57N  | 4   | 50 E |
| Avila                   | 60  | 40 | 39N  | 4   | 43W  |
| Avilés                  | 60  | 43 | 35N  | 5   | 57W  |
| Avon □                  | 42  | 51 | 30N  | 2   | 40W  |
| Avon, R., Avon, U.K.    | 42  | 51 | 30N  | 2   | 43W  |
| Avon, R., Warwick, U.K. | 42  | 52 | 0N   | 2   | 9W   |
| Avonmouth               | 43  | 43 | 30N  | 2   | 42W  |
| Avranches               | 56  | 48 | 40N  | 1   | 20W  |
| Awe, L.                 | 46  | 46 | 15N  | 5   | 15W  |
| Ax-les-Thermes          | 56  | 42 | 44N  | 1   | 50 E |
| Axbridge                | 42  | 51 | 17N  | 2   | 50W  |
| Axe Edge                | 42  | 53 | 14N  | 2   | 2W   |
| Axel Heiberg I.         | 98  | 80 | 0N   | 90  | 0W   |
| Axminster               | 43  | 50 | 47N  | 3   | 1W   |
| Ayabe                   | 76  | 35 | 20N  | 135 | 20 E |
| Ayaguz                  | 73  | 48 | 10N  | 80  | 0 E  |

|               |     |    |      |     |      |
|---------------|-----|----|------|-----|------|
| Ayamonte      | 60  | 37 | 12N  | 7   | 24W  |
| Ayers Rock    | 78  | 25 | 23 S | 131 | 5 E  |
| Aylesbury     | 40  | 51 | 48N  | 0   | 49W  |
| Aylsham       | 40  | 52 | 48N  | 1   | 16 E |
| Ayr, Austral. | 79  | 19 | 35 S | 147 | 25 E |
| Ayr, U.K.     | 46  | 55 | 28N  | 4   | 37W  |
| Ayr, R.       | 46  | 55 | 29N  | 4   | 40W  |
| Ayre, Pt. of  | 42  | 54 | 27N  | 4   | 21W  |
| Ayutla        | 106 | 16 | 58N  | 99  | 17W  |
| Azores, Is.   | 90  | 11 | 55N  | 10  | 10 E |
| Azov, Sea of  | 71  | 40 | 20N  | 48  | 0 E  |
| Azuaga        | 22  | 38 | 44N  | 29  | 0W   |
|               | 60  | 38 | 16N  | 5   | 39W  |

## B

|                            |     |    |      |     |      |
|----------------------------|-----|----|------|-----|------|
| Baarle Nassau              | 52  | 51 | 27N  | 4   | 56 E |
| Baarn                      | 52  | 52 | 12N  | 5   | 17 E |
| Bāb el Māndeb              | 89  | 12 | 35N  | 43  | 25 E |
| Babine L.                  | 105 | 54 | 48N  | 126 | 0W   |
| Babura                     | 90  | 12 | 51N  | 8   | 59 E |
| Babuyan Chan.              | 72  | 18 | 40N  | 121 | 30 E |
| Babuyan Is.                | 72  | 19 | 10N  | 121 | 40 E |
| Bacău                      | 55  | 46 | 35N  | 26  | 55 E |
| Bacolod                    | 72  | 10 | 40N  | 122 | 57 E |
| Bacup                      | 45  | 53 | 42N  | 2   | 12W  |
| Bad Godesberg              | 52  | 50 | 41N  | 7   | 41 E |
| Bad Honnef                 | 52  | 50 | 39N  | 7   | 13 E |
| Bad Ischl                  | 54  | 47 | 44N  | 13  | 38 E |
| Bad Kreuznach              | 52  | 49 | 47N  | 7   | 47 E |
| Bad Lands                  | 100 | 43 | 40N  | 102 | 10W  |
| Bad Zwischenahn            | 52  | 53 | 15N  | 8   | 0 E  |
| Badagry                    | 90  | 6  | 25N  | 2   | 55 E |
| Badajoz                    | 60  | 38 | 50N  | 6   | 59W  |
| Badalona                   | 60  | 41 | 26N  | 2   | 15 E |
| Baden                      | 54  | 48 | 1N   | 16  | 13 E |
| Baden-Baden                | 54  | 48 | 45N  | 8   | 15 E |
| Baden-Württemberg □        | 54  | 48 | 40N  | 9   | 0 E  |
| Badgastein                 | 54  | 47 | 7N   | 13  | 9 E  |
| Baffin Bay                 | 99  | 72 | 0N   | 64  | 0W   |
| Baffin I.                  | 99  | 68 | 0N   | 75  | 0W   |
| Bafia                      | 90  | 8  | 40N  | 11  | 10 E |
| Bafoulabé                  | 88  | 13 | 50N  | 10  | 55W  |
| Bai Bung Pt.               | 90  | 6  | 6N   | 10  | 2 E  |
| Bagamoyo                   | 93  | 6  | 28 S | 38  | 55 E |
| Bagan Siapiapi             | 72  | 2  | 12N  | 100 | 50 E |
| Baghdad                    | 71  | 33 | 20N  | 44  | 30 E |
| Bagshot                    | 41  | 51 | 22N  | 0   | 41W  |
| Baguio                     | 72  | 16 | 26N  | 120 | 34 E |
| Bahamas, Is.               | 107 | 24 | 40N  | 74  | 0W   |
| Bahamas ■                  | 107 | 24 | 0N   | 74  | 0W   |
| Bahawalpur □               | 71  | 29 | 5N   | 71  | 3 E  |
| Bahia = Salvador           | 108 | 13 | 0 S  | 38  | 30W  |
| Bahia Blanca               | 108 | 38 | 35 S | 62  | 13W  |
| Bahr el 'Arab, R.          | 89  | 10 | 0N   | 26  | 0 E  |
| Bahr el Jebel              | 89  | 7  | 30N  | 30  | 30 E |
| Bahr Yüsel                 | 91  | 28 | 25N  | 30  | 35 E |
| Bahra el Burullus          | 91  | 31 | 28N  | 30  | 48 E |
| Bahra el Manzala           | 91  | 31 | 28N  | 32  | 01 E |
| Bahrain ■                  | 72  | 8  | 35N  | 104 | 42 E |
| Bai Bung Pt.               | 72  | 8  | 35N  | 104 | 42 E |
| Baie Comeau                | 99  | 49 | 12N  | 68  | 10W  |
| Baikal, L. = Baykal, Oz.   | 62  | 53 | 0N   | 108 | 0 E  |
| Baildon                    | 45  | 53 | 52N  | 1   | 46W  |
| Baile Atha Cliath = Dublin | 51  | 53 | 20N  | 6   | 18W  |
| Baillieborough             | 50  | 53 | 55N  | 7   | 0W   |
| Baillieston                | 47  | 55 | 51N  | 4   | 08W  |
| Baird Inlet                | 98  | 64 | 49N  | 164 | 18W  |
| Bairnsdale                 | 79  | 37 | 48 S | 147 | 36 E |
| Baja                       | 55  | 46 | 12N  | 18  | 59 E |
| Baja, Pte.                 | 106 | 29 | 50N  | 116 | 0W   |
| Baker                      | 100 | 44 | 50N  | 117 | 55W  |
| Baker Is.                  | 22  | 0  | 10N  | 176 | 35 E |
| Baker Mt.                  | 105 | 48 | 50N  | 121 | 49W  |
| Bakersfield                | 105 | 35 | 25N  | 119 | 0W   |
| Bakewell                   | 44  | 53 | 13N  | 1   | 40W  |
| Bakony Forest              | 55  | 47 | 10N  | 17  | 30 E |
| Baku                       | 71  | 40 | 25N  | 49  | 45 E |
| Bala                       | 42  | 52 | 54N  | 3   | 36W  |
| Balaguer                   | 60  | 41 | 50N  | 0   | 50 E |
| Balasore                   | 70  | 21 | 35N  | 87  | 3 E  |
| Balaton                    | 55  | 46 | 50N  | 17  | 40 E |
| Balbriggan                 | 51  | 53 | 35N  | 6   | 10W  |
| Balclutha                  | 83  | 46 | 15 S | 169 | 45 E |
| Baldoye                    | 51  | 53 | 24N  | 6   | 10W  |
| Baldy Peak                 | 100 | 33 | 50N  | 109 | 30W  |
| Baleaeric Is.              | 60  | 39 | 30N  | 3   | 0 E  |
| Balerno                    | 47  | 55 | 53N  | 3   | 20W  |
| Bali                       | 90  | 5  | 54N  | 10  | 0 E  |
| Bali, I.                   | 72  | 8  | 20 S | 115 | 0 E  |
| Balikisir                  | 71  | 39 | 35N  | 27  | 58 E |
| Balikpapan                 | 72  | 1  | 10 S | 116 | 55 E |
| Balkan Pen.                | 24  | 42 | 0N   | 22  | 0 E  |
| Balkhash                   | 62  | 46 | 50N  | 74  | 50 E |
| Balkhash, L.               | 62  | 46 | 0N   | 74  | 50 E |
| Ballaghadreen              | 50  | 53 | 55N  | 8   | 35W  |
| Ballantrae                 | 46  | 55 | 6N   | 5   | 0W   |
| Ballarāt                   | 79  | 37 | 33 S | 143 | 50 E |
| Ballater                   | 48  | 57 | 2N   | 3   | 2W   |
| Ballenys Is.               | 112 | 66 | 30 S | 163 | 0 E  |
| Ballina                    | 50  | 54 | 7N   | 9   | 10W  |
| Ballinamore                | 50  | 54 | 3N   | 7   | 48W  |
| Ballinasloe                | 51  | 53 | 20N  | 8   | 12W  |
| Ballingeary                | 51  | 51 | 51N  | 9   | 13W  |
| Ballingry                  | 47  | 56 | 09N  | 3   | 20W  |
| Ballinrobe                 | 51  | 53 | 36N  | 9   | 13W  |
| Balloch                    | 46  | 56 | 0N   | 4   | 35W  |
| Ballybay                   | 50  | 54 | 8N   | 6   | 52W  |
| Ballybofey                 | 50  | 54 | 48N  | 7   | 47W  |
| Ballybunion                | 51  | 52 | 30N  | 9   | 40W  |
| Ballycastle, Ireland       | 50  | 54 | 17N  | 9   | 24W  |
| Ballycastle, U.K.          | 50  | 55 | 12N  | 6   | 15W  |
| Ballyclare                 | 50  | 50 | 46N  | 6   | 0W   |
| Ballycotton                | 51  | 51 | 50N  | 8   | 0W   |
| Ballygawley                | 50  | 54 | 27N  | 7   | 2W   |
| Ballyhaunis                | 50  | 53 | 47N  | 8   | 47W  |
| Ballyheige I.              | 51  | 52 | 22N  | 9   | 51W  |
| Ballylongford              | 51  | 52 | 34N  | 9   | 30W  |
| Ballymahon                 | 51  | 53 | 35N  | 7   | 45W  |

|                     |  |
|---------------------|--|
| Ballymena           |  |
| Ballymena □         |  |
| Ballymoney          |  |
| Ballymoney □        |  |
| Ballymote           |  |
| Ballynahinch        |  |
| Ballyragget         |  |
| Ballysadare         |  |
| Ballyshannon        |  |
| Balmoral            |  |
| Balranald           |  |
| Balsas, R.          |  |
| Baltic Sea          |  |
| Baltim              |  |
| Baltimore, Ireland  |  |
| Baltimore, U.S.A.   |  |
| Baltinglass         |  |
| Bam                 |  |
| Bama                |  |
| Bamako              |  |
| Bamberg             |  |
| Bamburgh            |  |
| Bampton             |  |
| Banbridge           |  |
| Banbridge □         |  |
| Banchory            |  |
| Banda Aceh          |  |
| Banda Is.           |  |
| Banda Sea           |  |
| Bandar-e Anzali     |  |
| Bandar-e Torkeman   |  |
| Bandirma            |  |
| Bandon              |  |
| Bandon, R.          |  |
| Bandung             |  |
| Banfi, Can.         |  |
| Banfi, U.K.         |  |
| Bangalore           |  |
| Bangassou           |  |
| Banggai             |  |
| Banggai Arch.       |  |
| Bangka Str.         |  |
| Bangkok             |  |
| Bangladesh ■        |  |
| Bangor, Ireland     |  |
| Bangor, N.I., U.K.  |  |
| Bangor, Wales, U.K. |  |
| Bangor, U.S.A.      |  |
| Bangui              |  |
| Bangweulu, L.       |  |
| Bani                |  |
| Banja Luka          |  |
| Banjul              |  |
| Banks I.            |  |
| Banks Peninsula     |  |
| Bann R.             |  |
| Bannockburn         |  |
| Banstead            |  |
| Bantry              |  |
| Bantry, B.          |  |
| Baqubah             |  |
| Bar Harbor          |  |
| Bar-le-Duc          |  |
| Barahona            |  |
| Barbados ■          |  |
| Barberton           |  |
| Barbuda I.          |  |
| Barcelidne          |  |
| Barcelona, Spain    |  |
| Barcelona, Venez.   |  |
| Bardiya             |  |
| Bardsey             |  |
| Bardsey, I.         |  |
| Bareilly            |  |
| Barents Sea         |  |
| Bargoed             |  |
| Bari                |  |
| Bâris               |  |
| Barisal             |  |
| Barito, R.          |  |
| Barking             |  |
| Barkeley Sound      |  |
| Barley East         |  |
| Barley Tableland    |  |
| Barley West         |  |
| Barol               |  |
| Barlad              |  |
| Barlee, L.          |  |
| Barlee Ra.          |  |
| Barletta            |  |
| Barmer              |  |
| Barmouth            |  |
| Barnard Castle      |  |
| Barnaul             |  |
| Barnet              |  |
| Barnoldswick        |  |
| Barnsley            |  |
| Barnstaple          |  |
| Barquisimeto        |  |
| Barra Hd.           |  |
| Barra, I.           |  |
| Barraços            |  |
| Barraquilla         |  |
| Barre               |  |
| Barreiro            |  |
| Barthead            |  |
| Barrow, C.          |  |
| Barrow Creek T.O.   |  |
| Barrow-in-Furness   |  |
| Barrow, Pt.         |  |
| Barrow Ra.          |  |
| Barrowford          |  |
| Barry               |  |
| Bartica             |  |
| Bartle Frere, Mt.   |  |
| Barton-upon-Humber  |  |
| Barvas              |  |
| Barwell             |  |
| Bashi Channel       |  |
| Basilan, I.         |  |
| Basildon            |  |
| Basilitica □        |  |
| Basle               |  |



Beloye L

|                       |     |    |     |     |      |
|-----------------------|-----|----|-----|-----|------|
| Beloye L.             | 61  | 60 | 10N | 37  | 35 E |
| Belpur                | 44  | 53 | 2N  | 1   | 29W  |
| Belshill              | 47  | 55 | 49N | 4   | 01W  |
| Belton                | 100 | 31 | 4N  | 97  | 30W  |
| Beltsy                | 55  | 47 | 48N | 28  | 0 E  |
| Belurbet              | 50  | 54 | 6N  | 7   | 28W  |
| Bemidji               | 101 | 47 | 30N | 94  | 50W  |
| Ben Alder             | 48  | 56 | 50N | 4   | 30W  |
| Ben Cruachan          | 48  | 56 | 26N | 5   | 8W   |
| Ben Dearg             | 48  | 57 | 47N | 4   | 58W  |
| Ben Hope              | 48  | 58 | 24N | 4   | 36W  |
| Ben Klibreck          | 48  | 58 | 14N | 4   | 25W  |
| Ben Lawers            | 48  | 56 | 33N | 4   | 13W  |
| Ben Macdhui           | 48  | 57 | 4N  | 3   | 40W  |
| Ben More, Mull, U.K.  | 48  | 56 | 26N | 6   | 2W   |
| Ben More, Perth, U.K. | 48  | 56 | 23N | 4   | 31W  |
| Ben More Assynt       | 48  | 58 | 7N  | 4   | 51W  |
| Ben Nevis             | 48  | 56 | 28N | 5   | 0W   |
| Ben Vorlich           | 46  | 56 | 42N | 4   | 15W  |
| Bena                  | 90  | 11 | 20N | 5   | 50 E |
| Benalla               | 79  | 36 | 30S | 146 | 0 E  |
| Bencubbin             | 78  | 30 | 48S | 117 | 52 E |
| Bend                  | 105 | 44 | 2N  | 121 | 15W  |
| Bendery               | 55  | 46 | 50N | 29  | 50 E |
| Bendigo               | 79  | 36 | 40S | 144 | 15 E |
| Benevento             | 58  | 41 | 7N  | 14  | 45 E |
| Bengal, Bay of        | 70  | 18 | 0N  | 90  | 0 E  |
| Benghazi              | 89  | 32 | 11N | 20  | 3 E  |
| Benguela              | 92  | 12 | 37S | 13  | 25 E |
| Benha                 | 91  | 30 | 26N | 31  | 8 E  |
| Beni                  | 93  | 0  | 30N | 29  | 27 E |
| Beni Mazâr            | 91  | 28 | 32N | 30  | 44 E |
| Beni Suëf             | 91  | 29 | 5N  | 31  | 6 E  |
| Benin ■               | 90  | 10 | 0N  | 2   | 0 E  |
| Benin City            | 90  | 6  | 20N | 5   | 31 E |
| Benoni                | 94  | 26 | 11S | 28  | 18 E |
| Bentley               | 44  | 53 | 33N | 1   | 9W   |
| Benue □               | 90  | 7  | 30N | 7   | 30 E |
| Benue, R.             | 90  | 7  | 50N | 6   | 30 E |
| Benwee Hd.            | 50  | 54 | 20N | 9   | 50W  |
| Beograd = Belgrade    | 55  | 44 | 50N | 20  | 37 E |
| Beppu                 | 76  | 33 | 15N | 131 | 30 E |
| Beragh                | 50  | 54 | 34N | 7   | 10W  |
| Berbera               | 89  | 10 | 30N | 45  | 2 E  |
| Berdichev             | 55  | 49 | 57N | 28  | 30 E |
| Beregovo              | 55  | 48 | 15N | 22  | 45 E |
| Bergamo               | 58  | 45 | 42N | 9   | 40 E |
| Bergen                | 61  | 60 | 23N | 5   | 20 E |
| Bergen-op-Zoom        | 52  | 51 | 30N | 4   | 18 E |
| Bergerac              | 56  | 44 | 51N | 0   | 30 E |
| Bergisch-Gladbach     | 52  | 50 | 59N | 7   | 9 E  |
| Berhampore            | 70  | 24 | 2N  | 88  | 27 E |
| Berhampur             | 70  | 19 | 15N | 84  | 54 E |
| Bering Sea            | 62  | 68 | 0N  | 167 | 0 E  |
| Bering Str.           | 66  | 56 | 0N  | 170 | 0W   |
| Berkel, R.            | 52  | 52 | 8N  | 6   | 12 E |
| Berkhamsted           | 41  | 51 | 45N | 0   | 33W  |
| Berkner I.            | 112 | 79 | 30S | 50  | 0W   |
| Berlin                | 54  | 52 | 32N | 13  | 24 E |
| Bermuda, I.           | 96  | 32 | 45N | 65  | 0W   |
| Bern                  | 54  | 46 | 57N | 7   | 28 E |
| Bernay                | 56  | 49 | 5N  | 0   | 35 E |
| Bernburg              | 54  | 51 | 40N | 11  | 42 E |
| Berneray I.           | 49  | 56 | 47N | 7   | 40W  |
| Bernina Pass          | 54  | 46 | 22N | 9   | 54 E |
| Berry                 | 56  | 47 | 0N  | 2   | 0 E  |
| Berwick-upon-Tweed    | 46  | 55 | 47N | 2   | 0W   |
| Berwyn Mts.           | 42  | 52 | 54N | 3   | 26W  |
| Besalampy             | 92  | 16 | 43S | 44  | 29 E |
| Besançon              | 56  | 47 | 9N  | 6   | 0 E  |
| Bessarabiya           | 55  | 46 | 20N | 29  | 0 E  |
| Bessemmer             | 101 | 46 | 27N | 90  | 0W   |
| Bethal                | 94  | 26 | 27S | 29  | 28 E |
| Bethesda              | 42  | 53 | 11N | 4   | 3W   |
| Bethlehem, Jordan     | 89  | 31 | 43N | 35  | 12 E |
| Bethlehem, S. Afr.    | 94  | 28 | 14S | 28  | 18 E |
| Bethlehem, U.S.A.     | 104 | 40 | 39N | 75  | 24W  |
| Bethulia              | 94  | 30 | 30S | 25  | 59 E |
| Béthune               | 56  | 50 | 30N | 2   | 38 E |
| Betroka               | 92  | 23 | 16S | 46  | 0 E  |
| Bettiah               | 70  | 26 | 48N | 84  | 33 E |
| Bettyhill             | 48  | 58 | 31N | 4   | 12W  |
| Betws-y-Coed          | 42  | 53 | 4N  | 3   | 49W  |
| Beverley, Austral.    | 78  | 32 | 9S  | 116 | 56 E |
| Beverley, U.K.        | 44  | 53 | 52N | 0   | 26W  |
| Beverwijk             | 52  | 52 | 28N | 4   | 38 E |
| Bewdley               | 41  | 52 | 23N | 2   | 19W  |
| Bexhill               | 40  | 50 | 51N | 0   | 29 E |
| Bexley                | 41  | 51 | 26N | 0   | 10 E |
| Beyneu                | 71  | 45 | 10N | 55  | 3 E  |
| Bézières              | 56  | 43 | 20N | 3   | 12 E |
| Bhagalpur             | 70  | 25 | 10N | 87  | 0 E  |
| Bhamo                 | 70  | 24 | 15N | 97  | 15 E |
| Bharatpur             | 70  | 27 | 15N | 77  | 30 E |
| Bhaunagar             | 70  | 21 | 45N | 72  | 10 E |
| Bhilwara              | 70  | 25 | 25N | 74  | 38 E |
| Bhopal                | 70  | 23 | 20N | 77  | 53 E |
| Bhubaneswar           | 70  | 20 | 15N | 85  | 50 E |
| Bhutan ■              | 70  | 27 | 25N | 89  | 50 E |
| Biala Podlaska        | 55  | 52 | 4N  | 23  | 6 E  |
| Bialystok             | 55  | 53 | 10N | 23  | 10 E |
| Biarritz              | 56  | 43 | 29N | 1   | 33W  |
| Biba                  | 91  | 28 | 55N | 31  | 0 E  |
| Bibai                 | 76  | 43 | 19N | 141 | 52 E |
| Bida                  | 90  | 9  | 3N  | 5   | 58 E |
| Bidulph               | 44  | 53 | 8N  | 2   | 11W  |
| Bideford              | 43  | 51 | 1N  | 4   | 13W  |
| Bideford Bay          | 42  | 51 | 5N  | 4   | 20W  |
| Bié                   | 92  | 12 | 22S | 16  | 55 E |
| Bié Plateau           | 92  | 12 | 0S  | 16  | 0 E  |
| Biel                  | 54  | 47 | 8N  | 7   | 14 E |
| Bielefeld             | 54  | 52 | 2N  | 8   | 31 E |
| Biella                | 58  | 45 | 33N | 8   | 3 E  |
| Bielsko-Biala         | 55  | 49 | 50N | 19  | 8 E  |
| Bien Hoa              | 72  | 10 | 57N | 106 | 49 E |
| Big Belt Mts.         | 100 | 46 | 57N | 111 | 30W  |
| Big Delta             | 98  | 64 | 15N | 145 | 0W   |
| Big Sioux, R.         | 101 | 42 | 30N | 96  | 25W  |
| Big Spring            | 101 | 42 | 30N | 101 | 25W  |
| Biggar                | 47  | 55 | 37N | 3   | 31W  |
| Biggleswade           | 40  | 52 | 6N  | 0   | 16W  |
| Bighorn Mts.          | 100 | 44 | 30N | 107 | 30W  |
| Bihar □               | 70  | 25 | 0N  | 86  | 0 E  |

|                                  |     |    |     |     |      |
|----------------------------------|-----|----|-----|-----|------|
| Bijapur                          | 70  | 16 | 50N | 75  | 55 E |
| Bikaner                          | 70  | 28 | 2N  | 73  | 18 E |
| Bilbao                           | 60  | 43 | 16N | 2   | 56W  |
| Billericay                       | 41  | 51 | 38N | 0   | 25 E |
| Billingham                       | 44  | 54 | 36N | 1   | 18W  |
| Billings                         | 100 | 45 | 43N | 108 | 29W  |
| Billiton Is.                     | 72  | 3  | 10S | 107 | 50 E |
| Bilola                           | 79  | 24 | 24S | 150 | 31 E |
| Biloxi                           | 101 | 30 | 30N | 89  | 0W   |
| Bilston                          | 41  | 52 | 34N | 42  | 3 W  |
| Binche                           | 52  | 50 | 26N | 4   | 10 E |
| Bingen                           | 52  | 49 | 57N | 7   | 53 E |
| Bingerville                      | 88  | 5  | 18N | 3   | 49W  |
| Bingley                          | 45  | 53 | 51N | 1   | 50W  |
| Bir Hirmas                       | 91  | 28 | 57N | 36  | 25 E |
| Birdsville                       | 79  | 25 | 51S | 139 | 20 E |
| Birdum                           | 78  | 15 | 39S | 133 | 13 E |
| Birkdale                         | 45  | 53 | 38N | 3   | 2W   |
| Birkenhead                       | 45  | 53 | 24N | 3   | 1W   |
| Birkenshaw                       | 45  | 53 | 45N | 1   | 41W  |
| Birket Qārūn                     | 91  | 29 | 30N | 30  | 40 E |
| Birmingham, U.K.                 | 41  | 52 | 30N | 1   | 55W  |
| Birmingham, U.S.A.               | 101 | 33 | 31N | 86  | 50W  |
| Birni Nkonni                     | 90  | 13 | 55N | 5   | 15 E |
| Birnin Kebbi                     | 90  | 12 | 32N | 4   | 12 E |
| Birnin Kudu                      | 90  | 11 | 30N | 9   | 29 E |
| Birobidzhan                      | 73  | 48 | 50N | 132 | 50 E |
| Birr                             | 51  | 53 | 7N  | 7   | 55W  |
| Birtley                          | 44  | 54 | 53N | 1   | 34W  |
| Biscay, B. of                    | 56  | 45 | 0N  | 2   | 0W   |
| Bishop Auckland                  | 44  | 54 | 40N | 1   | 40W  |
| Bishopbriggs                     | 47  | 55 | 54N | 4   | 14W  |
| Bishop's Castle                  | 45  | 52 | 29N | 3   | 0W   |
| Bishop's Stortford               | 40  | 51 | 52N | 0   | 11 E |
| Bishop's Waltham                 | 40  | 50 | 57N | 1   | 13W  |
| Bishopston                       | 47  | 55 | 54N | 4   | 30W  |
| Biskra                           | 88  | 34 | 50N | 5   | 44 E |
| Bismarck                         | 100 | 46 | 49N | 100 | 49W  |
| Bismarck Arch.                   | 79  | 2  | 30S | 150 | 0 E  |
| Bismarck Ra.                     | 79  | 5  | 35S | 145 | 0 E  |
| Bismarck Sea                     | 79  | 4  | 10S | 146 | 50 E |
| Bissau                           | 88  | 11 | 45N | 15  | 45W  |
| Bistrița                         | 55  | 47 | 9N  | 24  | 35 E |
| Bitlis                           | 71  | 38 | 20N | 42  | 3 W  |
| Bitter Lakes                     | 91  | 30 | 15N | 32  | 40 E |
| Bitterroot Range                 | 100 | 46 | 0N  | 114 | 20W  |
| Biu                              | 90  | 10 | 40N | 12  | 3 E  |
| Biwa-Ko                          | 76  | 35 | 15N | 135 | 45 E |
| Biysk                            | 62  | 52 | 40N | 85  | 0 E  |
| Bjelovar                         | 58  | 45 | 56N | 16  | 49 E |
| Blaby                            | 41  | 52 | 34N | 1   | 10W  |
| Black Hills                      | 100 | 44 | 0N  | 103 | 50W  |
| Black Isle, dist.                | 48  | 57 | 35N | 4   | 10W  |
| Black Mts.                       | 42  | 51 | 52N | 3   | 5W   |
| Black Range, Mts.                | 100 | 33 | 30N | 107 | 55W  |
| Black Sea                        | 71  | 43 | 30N | 35  | 0 E  |
| Blackhall                        | 79  | 24 | 25S | 145 | 45 E |
| Blackball                        | 83  | 42 | 22S | 171 | 26 E |
| Blackburn, Lancs., U.K.          | 45  | 53 | 44N | 2   | 30W  |
| Blackburn, Lothian, U.K.         | 47  | 55 | 52N | 3   | 38W  |
| Blackdown Hills                  | 43  | 50 | 57N | 3   | 15W  |
| Blackfoot                        | 100 | 43 | 13N | 112 | 12W  |
| Blackford                        | 47  | 56 | 15N | 3   | 48W  |
| Blackpool                        | 45  | 53 | 48N | 3   | 3W   |
| Blackrock                        | 51  | 53 | 18N | 6   | 11W  |
| Blackrod                         | 45  | 53 | 35N | 2   | 35W  |
| Blacksod B.                      | 50  | 54 | 6N  | 10  | 0W   |
| Blackwater                       | 51  | 52 | 26N | 6   | 20W  |
| Blackwater, R., Meath, Ireland   | 50  | 53 | 46N | 7   | 0W   |
| Blackwater, R., Munster, Ireland | 51  | 51 | 55N | 7   | 50W  |
| Blackwater, R., Essex, U.K.      | 40  | 51 | 44N | 0   | 53 E |
| Blackwater, R., Ulster, U.K.     | 50  | 54 | 51N | 0   | 53 E |
| Blackwell                        | 100 | 36 | 55N | 97  | 20W  |
| Blackwood                        | 43  | 51 | 40N | 3   | 13W  |
| Blaenau Ffestiniog               | 42  | 53 | 0N  | 3   | 57W  |
| Blaenauon                        | 43  | 51 | 46N | 3   | 5W   |
| Blaengawr                        | 43  | 51 | 37N | 3   | 35W  |
| Blagoveshchensk                  | 62  | 55 | 1N  | 55  | 59 E |
| Blaina                           | 43  | 51 | 46N | 3   | 10W  |
| Blair Athol                      | 79  | 22 | 42S | 147 | 31 E |
| Blair Atholl                     | 48  | 56 | 46N | 3   | 50W  |
| Blairgowrie                      | 48  | 56 | 36N | 3   | 20W  |
| Blakeney                         | 43  | 51 | 45N | 2   | 29W  |
| Blanc, Mt.                       | 54  | 45 | 48N | 6   | 50 E |
| Blanca Peak                      | 100 | 37 | 35N | 105 | 29W  |
| Blanchland                       | 44  | 54 | 50N | 2   | 03W  |
| Blanco, C.                       | 100 | 42 | 50N | 124 | 40W  |
| Blanford Forum                   | 43  | 50 | 25N | 2   | 10W  |
| Blankenberge                     | 52  | 51 | 20N | 3   | 9 E  |
| Blankenrye                       | 92  | 15 | 45S | 35  | 0 E  |
| Blarney                          | 51  | 51 | 57N | 8   | 35W  |
| Blarney                          | 44  | 54 | 56N | 1   | 47W  |
| Bleiburg                         | 54  | 46 | 35N | 14  | 49 E |
| Blenheim                         | 83  | 41 | 38S | 174 | 5 E  |
| Blessington                      | 51  | 53 | 10N | 6   | 32W  |
| Blewbury                         | 40  | 51 | 33N | 1   | 14W  |
| Blida                            | 88  | 36 | 30N | 2   | 49 E |
| Blitar                           | 72  | 8  | 5S  | 112 | 11 E |
| Bloemfontein                     | 94  | 29 | 6S  | 26  | 14 E |
| Blomhof                          | 94  | 27 | 38S | 25  | 32 E |
| Blois                            | 56  | 47 | 35N | 1   | 20 E |
| Bloody Foreland                  | 50  | 55 | 10N | 8   | 18W  |
| Bloubergstrand                   | 94  | 33 | 48S | 18  | 28 E |
| Blue Mts., Austral.              | 79  | 33 | 40S | 150 | 0 E  |
| Blue Mts., U.S.A.                | 100 | 45 | 15N | 119 | 0W   |
| Blue Nile, R.                    | 89  | 12 | 30N | 34  | 30 E |
| Blue Ridge, Mts.                 | 101 | 36 | 30N | 80  | 15W  |
| Blue Stack Mts.                  | 50  | 54 | 46N | 8   | 5W   |
| Bluefield                        | 101 | 37 | 18N | 81  | 14W  |
| Bluefields                       | 107 | 12 | 0N  | 83  | 50W  |
| Bluff                            | 83  | 46 | 37S | 168 | 20 E |
| Blyth, Northumberland, U.K.      | 44  | 55 | 8N  | 1   | 32W  |
| Blyth, Notts., U.K.              | 43  | 53 | 22N | 1   | 2W   |
| Bobo-Dioulasso                   | 88  | 11 | 8N  | 4   | 13W  |
| Bocholt                          | 52  | 51 | 50N | 6   | 35 E |
| Bochum                           | 52  | 51 | 28N | 7   | 12 E |
| Bodnam                           | 48  | 57 | 28N | 1   | 46W  |

|                 |     |    |     |     |      |
|-----------------|-----|----|-----|-----|------|
| Boden           | 61  | 65 | 50N | 21  | 42 E |
| Bodmin          | 43  | 50 | 28N | 4   | 44W  |
| Bodmin Moor     | 43  | 50 | 33N | 4   | 36W  |
| Bodo            | 61  | 67 | 17N | 14  | 24 E |
| Boggeragh Mts.  | 51  | 52 | 2N  | 8   | 55W  |
| Bognor Regis    | 40  | 50 | 47N | 0   | 40W  |
| Bogor, Mt.      | 79  | 36 | 47S | 147 | 17 E |
| Bogor           | 72  | 6  | 36S | 106 | 48 E |
| Bogotá          | 107 | 4  | 34N | 74  | 0W   |
| Bohemia         | 54  | 50 | 0N  | 14  | 0 E  |
| Bohemian Forest | 54  | 49 | 20N | 13  | 0 E  |
| Boholl, I.      | 72  | 9  | 50N | 124 | 10 E |
| Boise           | 100 | 43 | 43N | 116 | 9W   |



## Brussels

|                         |     |    |     |     |      |
|-------------------------|-----|----|-----|-----|------|
| Brussels                | 52  | 50 | 51N | 4   | 21 E |
| Bruton                  | 42  | 51 | 6N  | 2   | 28W  |
| Bruxelles = Brussels    | 52  | 50 | 51N | 4   | 21 E |
| Bryan                   | 101 | 30 | 40N | 96  | 27W  |
| Brynnaman               | 42  | 51 | 49N | 3   | 52W  |
| Brynmawr                | 43  | 51 | 48N | 3   | 11W  |
| Buabuo                  | 91  | 31 | 29N | 25  | 29 E |
| Bucaramanga             | 107 | 7  | 0N  | 73  | 0W   |
| Buchan                  | 48  | 57 | 32N | 2   | 8W   |
| Buchanan                | 88  | 5  | 57N | 10  | 2W   |
| Bucharest               | 55  | 44 | 27N | 26  | 10 E |
| Bucharestleigh          | 43  | 50 | 28N | 3   | 47W  |
| Buckhaven               | 47  | 56 | 10N | 3   | 02W  |
| Buckie                  | 48  | 57 | 40N | 2   | 58W  |
| Buckingham              | 40  | 52 | 0N  | 0   | 59W  |
| Buckingham              | 40  | 51 | 50N | 0   | 55W  |
| Bucuresti = Bucharest   | 55  | 44 | 27N | 26  | 10 E |
| Budapest                | 55  | 47 | 29N | 19  | 5 E  |
| Bude                    | 43  | 50 | 49N | 4   | 33W  |
| Bude Bay                | 43  | 50 | 50N | 4   | 40W  |
| Budleigh Salterton      | 43  | 50 | 37N | 3   | 19W  |
| Buea                    | 90  | 4  | 10N | 9   | 9 E  |
| Buenaventura            | 107 | 3  | 53N | 77  | 4W   |
| Buenos Aires            | 108 | 34 | 30S | 58  | 20W  |
| Buffalo, N.Y., U.S.A.   | 104 | 42 | 55N | 78  | 50W  |
| Buffalo, Wyo., U.S.A.   | 100 | 44 | 25N | 106 | 50W  |
| Bug, R., Poland         | 55  | 52 | 31N | 21  | 5 E  |
| Bug, R., U.S.S.R.       | 55  | 48 | 0N  | 31  | 0 E  |
| Buga                    | 107 | 4  | 0N  | 77  | 0W   |
| Buguma                  | 90  | 4  | 42N | 6   | 55 E |
| Bugun Shara             | 73  | 49 | 0N  | 104 | 9 E  |
| Builth Wells            | 42  | 52 | 10N | 3   | 26W  |
| Buumbura                | 93  | 1  | 16S | 29  | 18 E |
| Bukama                  | 92  | 9  | 10S | 25  | 50 E |
| Bukavu                  | 92  | 2  | 20S | 28  | 52 E |
| Bukhara                 | 71  | 39 | 48N | 64  | 25 E |
| Bukoba                  | 93  | 1  | 20S | 31  | 49 E |
| Bukombe                 | 93  | 3  | 31S | 32  | 4 E  |
| Bukuru                  | 90  | 9  | 42N | 8   | 48 E |
| Bulawayo                | 92  | 20 | 7S  | 28  | 32 E |
| Bulgaria                | 55  | 42 | 35N | 25  | 30 E |
| Bulkington              | 41  | 52 | 29N | 1   | 25W  |
| Bullfinch               | 78  | 30 | 58S | 119 | 3 E  |
| Bulls                   | 83  | 40 | 10S | 175 | 24 E |
| Bully-les-Mines         | 56  | 50 | 27N | 2   | 44 E |
| Bultfontein             | 94  | 28 | 18S | 26  | 10 E |
| Buna                    | 79  | 8  | 42S | 148 | 27 E |
| Bunbeg                  | 50  | 55 | 48N | 8   | 18W  |
| Bunbury                 | 78  | 33 | 20S | 115 | 35 E |
| Bunclody                | 51  | 52 | 40N | 6   | 40W  |
| Buncrana                | 50  | 55 | 8N  | 7   | 28W  |
| Bundaberg               | 79  | 24 | 54S | 152 | 22 E |
| Bundoran                | 50  | 54 | 24N | 8   | 17W  |
| Bungo                   | 40  | 52 | 27N | 1   | 26 E |
| Bungo Channel           | 76  | 33 | 0N  | 132 | 15 E |
| Bunia                   | 93  | 1  | 35N | 30  | 20 E |
| Bununu Doss             | 90  | 10 | 6N  | 9   | 25 E |
| Bunza                   | 90  | 12 | 8N  | 4   | 0 E  |
| Bür Fuad                | 91  | 31 | 15N | 32  | 20 E |
| Bür Said = Port Said    | 91  | 31 | 16N | 32  | 18 E |
| Bura                    | 93  | 1  | 4S  | 39  | 58 E |
| Burbage                 | 41  | 52 | 31N | 1   | 20W  |
| Burbank                 | 100 | 34 | 9N  | 118 | 23N  |
| Bure, R.                | 40  | 52 | 38N | 1   | 45 E |
| Bureya                  | 73  | 50 | 35N | 132 | 0 E  |
| Bureya, R.              | 73  | 51 | 30N | 133 | 0 E  |
| Burford                 | 40  | 51 | 48N | 1   | 38W  |
| Burg el Arab            | 91  | 30 | 54N | 29  | 32 E |
| Burgenland              | 54  | 47 | 20N | 16  | 20 E |
| Burgersdorp             | 94  | 31 | 0S  | 26  | 20 E |
| Burgess Hill            | 40  | 50 | 57N | 0   | 7W   |
| Burghead                | 48  | 57 | 42N | 3   | 30W  |
| Burgos                  | 60  | 42 | 21N | 3   | 41W  |
| Burgsteinfurt           | 52  | 52 | 9N  | 7   | 23 E |
| Burgundy, reg.          | 56  | 47 | 0N  | 4   | 30 E |
| Burketown               | 79  | 17 | 45S | 139 | 33 E |
| Burkina Faso            | 88  | 12 | 30N | 2   | 0W   |
| Burlington              | 104 | 42 | 41N | 88  | 18W  |
| Burlyu-Tyube            | 62  | 46 | 30N | 79  | 10 E |
| Burma                   | 70  | 21 | 0N  | 96  | 30 E |
| Burnham, Essex, U.K.    | 41  | 51 | 37N | 0   | 50 E |
| Burnham, Somerset, U.K. | 42  | 51 | 14N | 3   | 0W   |
| Burnham Market          | 40  | 52 | 57N | 0   | 43 E |
| Burnie                  | 79  | 41 | 4S  | 145 | 36 E |
| Burnley                 | 45  | 53 | 47N | 2   | 15W  |
| Burns Lake              | 105 | 54 | 20N | 125 | 45W  |
| Burnsall                | 44  | 54 | 03N | 1   | 57W  |
| Burntisland             | 46  | 56 | 4N  | 3   | 14W  |
| Burra                   | 79  | 33 | 40S | 138 | 55 E |
| Bursa                   | 71  | 40 | 15N | 29  | 5 E  |
| Burscough               | 45  | 53 | 36N | 2   | 52W  |
| Burton                  | 45  | 53 | 15N | 3   | 02W  |
| Burton Latimer          | 40  | 52 | 23N | 0   | 41W  |
| Burton-upon-Trent       | 45  | 52 | 48N | 1   | 39W  |
| Buru, I.                | 72  | 3  | 30S | 126 | 30 E |
| Burundi                 | 93  | 3  | 15S | 30  | 0 E  |
| Burutu                  | 90  | 5  | 20N | 5   | 29 E |
| Bury                    | 45  | 53 | 36N | 2   | 19W  |
| Bury St. Edmunds        | 40  | 52 | 15N | 0   | 42 E |
| Bushehr                 | 71  | 28 | 55N | 50  | 55 E |
| Bushey                  | 41  | 51 | 38N | 0   | 20W  |
| Bushmills               | 50  | 55 | 14N | 6   | 32W  |
| Busselton               | 78  | 33 | 42S | 115 | 15 E |
| Bussum                  | 52  | 52 | 16N | 5   | 10 E |
| Buta                    | 92  | 2  | 50N | 24  | 53 E |
| Bute, I.                | 46  | 55 | 48N | 5   | 2W   |
| Butte                   | 100 | 46 | 0N  | 112 | 31W  |
| Butterworth             | 72  | 5  | 24N | 100 | 23 E |
| Buttevant               | 51  | 52 | 14N | 8   | 40 E |
| Butung, I.              | 72  | 5  | 0S  | 122 | 45 E |
| Buxton                  | 44  | 53 | 16N | 1   | 54W  |
| Buzău, Pasul            | 55  | 45 | 35N | 26  | 12 E |
| Bydgoszcz               | 55  | 53 | 10N | 18  | 0 E  |
| Byfleet                 | 41  | 51 | 20N | 0   | 28W  |
| Bylot I.                | 99  | 73 | 30S | 78  | 34W  |
| Byrd Ld.                | 112 | 79 | 30S | 125 | 0W   |
| Byron, C.               | 79  | 28 | 38S | 153 | 40 E |
| Bytom                   | 55  | 50 | 25N | 19  | 0 E  |

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|                      |     |    |     |     |      |
|----------------------|-----|----|-----|-----|------|
| Cabinda              | 92  | 5  | 40S | 12  | 11 E |
| Cabonga Réservoir    | 99  | 47 | 20N | 76  | 40W  |
| Cabot Strait         | 99  | 47 | 15N | 59  | 40W  |
| Cabrera, I.          | 60  | 39 | 6N  | 2   | 59 E |
| Cacac                | 55  | 43 | 54N | 20  | 20 E |
| Cáceres              | 60  | 39 | 26N | 6   | 23W  |
| Cader Idris          | 42  | 52 | 43N | 3   | 56W  |
| Cadillac             | 104 | 44 | 16N | 85  | 25W  |
| Cadishead            | 45  | 53 | 25N | 2   | 25W  |
| Cádiz                | 60  | 36 | 30N | 6   | 20W  |
| Cádiz, G. of         | 60  | 36 | 40N | 7   | 0W   |
| Caen                 | 56  | 49 | 10N | 0   | 22W  |
| Caerleon             | 43  | 51 | 37N | 2   | 57W  |
| Caernarfon           | 42  | 53 | 8N  | 4   | 17W  |
| Caernarfon B.        | 42  | 53 | 4N  | 4   | 40W  |
| Caersws              | 42  | 52 | 32N | 3   | 27W  |
| Cagayan, I.          | 72  | 9  | 37N | 121 | 12 E |
| Cagliari             | 58  | 39 | 15N | 9   | 6 E  |
| Cagliari, G. of      | 58  | 39 | 8N  | 9   | 10 E |
| Caguan               | 107 | 18 | 14N | 66  | 4W   |
| Caha Mts.            | 51  | 51 | 45N | 9   | 40W  |
| Caher                | 51  | 52 | 23N | 7   | 56W  |
| Caher I.             | 51  | 53 | 44N | 10  | 1W   |
| Cahersiveen          | 51  | 51 | 57N | 10  | 13W  |
| Cahore Pt.           | 51  | 52 | 34N | 6   | 11W  |
| Cahors               | 56  | 44 | 27N | 1   | 27 E |
| Caicos Is.           | 107 | 21 | 40N | 71  | 40W  |
| Cairngorm Mts.       | 48  | 57 | 6N  | 3   | 45W  |
| Cairnryan            | 46  | 54 | 59N | 5   | 0W   |
| Cairns               | 79  | 16 | 57S | 145 | 45 E |
| Cairo                | 91  | 30 | 1N  | 31  | 14 E |
| Caister-on-Sea       | 40  | 52 | 38N | 1   | 43 E |
| Caistor              | 44  | 53 | 29N | 0   | 20W  |
| Caithness            | 48  | 58 | 25N | 3   | 25W  |
| Calabar              | 90  | 4  | 57N | 8   | 20 E |
| Calabozo             | 107 | 9  | 0N  | 67  | 20W  |
| Calábria             | 58  | 39 | 24N | 16  | 30 E |
| Calais               | 56  | 50 | 57N | 1   | 56 E |
| Calamian Group       | 72  | 11 | 50N | 119 | 55 E |
| Calamocha            | 60  | 40 | 50N | 1   | 17W  |
| Calapan              | 72  | 13 | 25N | 121 | 7 E  |
| Calatayud            | 60  | 41 | 20N | 1   | 40W  |
| Calcutta             | 70  | 22 | 36N | 88  | 24 E |
| Calder, R.           | 45  | 53 | 44N | 1   | 21W  |
| Calderbrook          | 45  | 53 | 39N | 2   | 08W  |
| Caldercruix          | 47  | 55 | 53N | 3   | 53W  |
| Caldicot             | 43  | 51 | 36N | 2   | 45W  |
| Caldwell             | 100 | 43 | 45N | 116 | 42W  |
| Caldy                | 45  | 53 | 21N | 3   | 10W  |
| Caldy I.             | 42  | 51 | 38N | 4   | 42W  |
| Caledon              | 94  | 34 | 14S | 19  | 26 E |
| Caledon, R.          | 94  | 30 | 0S  | 26  | 46 E |
| Calgary              | 98  | 51 | 0N  | 114 | 10W  |
| Cali                 | 107 | 3  | 25N | 76  | 35W  |
| California           | 100 | 37 | 25N | 120 | 0W   |
| California, G. of    | 106 | 27 | 0N  | 111 | 0W   |
| Callan               | 51  | 52 | 33N | 7   | 25W  |
| Callander            | 46  | 56 | 15N | 4   | 14W  |
| Callao               | 108 | 12 | 0S  | 77  | 0W   |
| Callington           | 43  | 50 | 30N | 4   | 18W  |
| Calne                | 42  | 51 | 26N | 2   | 0W   |
| Caltagirone          | 58  | 37 | 13N | 14  | 30 E |
| Calatisssetta        | 58  | 37 | 30N | 14  | 30 E |
| Calvinia             | 94  | 31 | 28S | 19  | 45 E |
| Cam, R.              | 40  | 52 | 21N | 0   | 16 E |
| Camagüey             | 107 | 21 | 20N | 78  | 0W   |
| Camaguey             | 56  | 43 | 34N | 4   | 34 E |
| Cambay, G. of        | 70  | 20 | 45N | 72  | 30 E |
| Camberley            | 41  | 51 | 20N | 0   | 44W  |
| Camberwell           | 41  | 51 | 28N | 0   | 04W  |
| Cambodia             | 72  | 12 | 15N | 105 | 0 E  |
| Camborne             | 43  | 50 | 13N | 5   | 18W  |
| Cambrai              | 56  | 50 | 11N | 3   | 14 E |
| Cambrian Mts.        | 42  | 52 | 25N | 3   | 52W  |
| Cambridge, N.Z.      | 83  | 37 | 54S | 175 | 29 E |
| Cambridge, U.K.      | 40  | 52 | 13N | 0   | 8 E  |
| Cambridge, U.S.A.    | 104 | 42 | 20N | 71  | 8W   |
| Cambridge Gulf       | 78  | 14 | 45S | 128 | 0 E  |
| Cambridgeshire       | 40  | 52 | 12N | 0   | 7 E  |
| Cambsusharron        | 47  | 56 | 06N | 3   | 58W  |
| Cambuslang           | 47  | 55 | 49N | 4   | 11W  |
| Camden, U.K.         | 41  | 51 | 33N | 0   | 10W  |
| Camden, U.S.A.       | 104 | 39 | 57N | 75  | 1W   |
| Camelford            | 43  | 50 | 37N | 4   | 41W  |
| Cameroon             | 90  | 3  | 30N | 12  | 30 E |
| Caminha              | 60  | 41 | 50N | 8   | 50W  |
| Camooweal            | 79  | 19 | 56S | 138 | 7 E  |
| Campania             | 58  | 40 | 50N | 14  | 45 E |
| Campbell I.          | 23  | 52 | 30S | 169 | 0 E  |
| Campbellton          | 99  | 47 | 57N | 66  | 43W  |
| Campeche             | 46  | 55 | 25N | 5   | 36W  |
| Campeche, G. of      | 106 | 19 | 50N | 90  | 32W  |
| Campinas             | 106 | 19 | 30N | 93  | 0W   |
| Campo Grande         | 108 | 22 | 50S | 47  | 0W   |
| Campobasso           | 108 | 20 | 25S | 54  | 40W  |
| Campsie Fells        | 58  | 41 | 34N | 14  | 40 E |
| Camrose              | 47  | 56 | 2N  | 4   | 20W  |
| Canada               | 98  | 53 | 0N  | 112 | 50W  |
| Canadian, R.         | 96  | 60 | 0N  | 100 | 0W   |
| Canary Is.           | 101 | 35 | 27N | 95  | 3W   |
| Canberra             | 88  | 29 | 30N | 17  | 0W   |
| Canaveral, C.        | 101 | 28 | 28N | 80  | 31W  |
| Canberra             | 79  | 35 | 15S | 149 | 8 E  |
| Canfranc             | 60  | 42 | 42N | 0   | 31W  |
| Canik Mts.           | 71  | 40 | 30N | 38  | 0 E  |
| Canna I.             | 48  | 57 | 3N  | 6   | 33W  |
| Cannes               | 56  | 43 | 32N | 7   | 0 E  |
| Canning Basin        | 78  | 19 | 50S | 124 | 0 E  |
| Cannock              | 45  | 52 | 42N | 2   | 2W   |
| Cannock Chase, hills | 45  | 52 | 43N | 2   | 0W   |
| Canon City           | 100 | 39 | 30N | 105 | 20W  |
| Canora               | 98  | 51 | 40N | 102 | 30W  |
| Canso                | 99  | 45 | 20N | 61  | 0W   |
| Cantabrian Mts.      | 60  | 43 | 0N  | 5   | 10W  |
| Canterbury           | 40  | 51 | 17N | 1   | 5 E  |
| Canterbury           | 83  | 43 | 45S | 171 | 0 E  |
| Canterbury Bight     | 83  | 44 | 16S | 171 | 55 E |
| Canterbury Plains    | 83  | 43 | 55S | 171 | 22 E |
| Canton               | 104 | 40 | 12N | 90  | 0W   |
| * Canton I.          | 22  | 2  | 30S | 172 | 0W   |

\* Renamed Abariringa

## Chatham Is

|     |    |     |     |      |                            |     |    |      |     |      |
|-----|----|-----|-----|------|----------------------------|-----|----|------|-----|------|
| 141 | 51 | 32N | 0   | 35 E | Catherham                  | 91  | 51 | 16N  | 0   | 40 E |
| 107 | 19 | 40N | 72  | 20 W | Cathcart, S. Afr.          | 94  | 32 | 18 S | 27  | 10 E |
| 99  | 46 | 0N  | 60  | 30W  | Catcathart, U.K.           | 47  | 55 | 48N  | 4   | 15W  |
| 88  | 5  | 5N  | 1   | 15W  | Catoche, C.                | 106 | 21 | 40N  | 87  | 00 W |
| 99  | 64 | 14N | 76  | 32W  | Catorce                    | 106 | 23 | 50N  | 100 | 55W  |
| 94  | 32 | 0S  | 23  | 0 E  | Catskill Mts.              | 104 | 42 | 15N  | 74  | 15W  |
| 94  | 33 | 55S | 18  | 22 E | Catterick                  | 44  | 54 | 23N  | 1   | 38W  |
| 22  | 17 | 10N | 25  | 20W  | Caucasus Ra.               | 71  | 43 | 0N   | 44  | 0 E  |
| 79  | 33 | 34S | 115 | 33 E | Caura, R.                  | 107 | 6  | 20N  | 64  | 30W  |
| 51  | 52 | 9N  | 7   | 46W  | Cavan                      | 50  | 54 | 0N   | 7   | 22W  |
| 58  | 40 | 34N | 14  | 15 E | Cavan □                    | 50  | 53 | 58N  | 7   | 10W  |
| 55  | 44 | 8N  | 24  | 22 E | Cayenne                    | 108 | 5  | 0N   | 52  | 18W  |
| 107 | 10 | 30N | 66  | 55W  | Cayes, Les                 | 107 | 18 | 15N  | 73  | 46W  |
| 55  | 45 | 28N | 22  | 18 E | Ceanannus Mor              | 50  | 53 | 42N  | 6   | 53W  |
| 58  | 39 | 8N  | 9   | 30 E | Ceará = Fortaleza          | 108 | 7  | 35 S | 3   | 18 E |
| 54  | 43 | 13N | 2   | 20 E | Cébú                       | 70  | 2  | 18N  | 123 | 54 E |
| 70  | 9  | 30N | 77  | 15 E | Cedar City                 | 100 | 37 | 41N  | 113 | 3W   |
| 107 | 23 | 0N  | 81  | 30W  | Cedar Falls                | 101 | 42 | 39N  | 92  | 29W  |
| 47  | 56 | 08N | 3   | 15W  | Cedar Lake                 | 98  | 53 | 20N  | 100 | 10W  |
| 43  | 51 | 28N | 3   | 11W  | Cedar Rapids               | 101 | 42 | 0N   | 91  | 38W  |
| 42  | 52 | 6N  | 4   | 41W  | Ceduna                     | 78  | 32 | 7S   | 133 | 46 E |
| 42  | 52 | 30N | 4   | 30W  | Cefalu                     | 58  | 38 | 3N   | 14  | 1 E  |
| 60  | 41 | 56N | 1   | 40 E | Cegled                     | 55  | 47 | 11N  | 19  | 47 E |
| 47  | 55 | 58N | 4   | 38W  | Ceiba, La                  | 106 | 15 | 40N  | 86  | 50W  |
| 55  | 47 | 40N | 22  | 29 E | Celaya                     | 106 | 20 | 31N  | 100 | 37W  |
| 79  | 33 | 17S | 146 | 24 E | Celbridge                  | 51  | 53 | 20N  | 6   | 33W  |
| 107 | 15 | 0N  | 75  | 0W   | Celebes Sea                | 72  | 3  | 0N   | 123 | 0 E  |
| 105 | 53 | 0N  | 121 | 0W   | Celje                      | 58  | 46 | 16N  | 15  | 18 E |
| 101 | 46 | 55N | 68  | 0W   | Celle                      | 54  | 52 | 37N  | 10  | 4 E  |
| 98  | 59 | 12N | 115 | 40W  | Cemmas Road                | 42  | 52 | 39N  | 3   | 41W  |
| 54  | 46 | 52N | 13  | 30 E | Central □, Scotland        | 46  | 56 | 0N   | 4   | 30W  |
| 107 | 10 | 8N  | 63  | 6W   | Central African Republic   | 89  | 7  | 0N   | 20  | 0 E  |
| 94  | 26 | 23S | 27  | 22 E | ■                          | 96  | 10 | 0N   | 83  | 0W   |
| 50  | 54 | 3N  | 6   | 10W  | Central America            | 83  | 37 | 30S  | 175 | 30 E |
| 50  | 54 | 0N  | 6   | 5W   | Central Auckland □         | 71  | 26 | 30N  | 64  | 15 E |
| 44  | 54 | 54N | 2   | 55W  | Central Makran Range       |     |    |      |     |      |
| 51  | 52 | 50N | 6   | 58W  | Central Russian            |     |    |      |     |      |
| 51  | 52 | 43N | 6   | 50W  | Uplands                    | 24  | 54 | 0N   | 36  | 0 E  |
| 48  | 58 | 17N | 6   | 48W  | Central Siberian Plateau   | 62  | 65 | 0N   | 105 | 0 E  |
| 100 | 32 | 20N | 104 | 7W   | Centralia                  | 100 | 46 | 46N  | 122 | 59W  |
| 45  | 53 | 35N | 1   | 27W  | Ceram Sea                  | 72  | 2  | 30S  | 128 | 30 E |
| 47  | 55 | 44N | 3   | 50W  | Ceres, S. Afr.             | 94  | 33 | 21S  | 19  | 18 E |
| 42  | 51 | 52N | 4   | 20W  | Ceres, U.K.                | 58  | 43 | 18N  | 2   | 57W  |
| 42  | 51 | 40N | 4   | 30W  | Cerrigla                   | 58  | 41 | 17N  | 15  | 53 E |
| 42  | 53 | 24N | 4   | 34W  | Cerne Abbas                | 43  | 50 | 49N  | 2   | 29W  |
| 89  | 32 | 45N | 35  | 3 E  | Cervera                    | 60  | 41 | 40N  | 1   | 16 E |
| 60  | 37 | 28N | 5   | 42W  | Cesena                     | 58  | 44 | 9N   | 12  | 14 E |
| 47  | 55 | 47N | 4   | 16W  | České Budějovice           | 54  | 48 | 55N  | 14  | 25 E |
| 47  | 55 | 50N | 4   | 11W  | Český Těšín                | 55  | 49 | 45N  | 18  | 39 E |
| 48  | 57 | 17N | 5   | 9W   | Cessnock                   | 79  | 32 | 50 S | 151 | 21 E |
| 78  | 24 | 51S | 113 | 42 E | Ceuta                      | 58  | 35 | 52N  | 5   | 18W  |
| 94  | 30 | 56S | 22  | 8 E  | Cévennes, mts.             | 56  | 44 | 10N  | 3   | 50 E |
| 55  | 55 | 15N | 7   | 16W  | Chad ■                     | 88  | 12 | 30N  | 17  | 15 E |
| 78  | 26 | 5S  | 122 | 30 E | Chad, L.                   | 88  | 13 | 30N  | 14  | 30 E |
| 44  | 54 | 8N  | 2   | 47W  | Chadderton                 | 45  | 53 | 27N  | 2   | 08W  |
| 54  | 46 | 34N | 12  | 50 E | Chadron                    | 100 | 42 | 50N  | 103 | 0W   |
| 48  | 56 | 30N | 2   | 41W  | Chadwell St. Mary          | 41  | 51 | 28N  | 0   | 22 E |
| 51  | 52 | 10N | 6   | 20W  | Chafe                      | 91  | 11 | 59N  | 6   | 50 E |
| 47  | 55 | 42N | 3   | 38W  | Chagos Arch.               | 93  | 6  | 0S   | 72  | 0 E  |
| 23  | 8  | 0N  | 150 | 0 E  | Chake Chake                | 93  | 5  | 15S  | 39  | 45 E |
| 55  | 46 | 20N | 26  | 0 E  | Chalatus                   | 73  | 48 | 0N   | 122 | 40 E |
| 79  | 14 | 0S  | 139 | 0 E  | Chalfont St. Peter         | 41  | 51 | 36N  | 0   | 33W  |
| 51  | 53 | 41N | 9   | 12W  | Chalfont St. Giles         | 41  | 51 | 37N  | 0   | 34W  |
| 58  | 44 | 5N  | 10  | 7 E  | Chalon-sur-Saône           | 56  | 46 | 48N  | 4   | 50 E |
| 48  | 57 | 17N | 3   | 50W  | Châlons-sur-Marne          | 56  | 48 | 58N  | 4   | 20 E |
| 50  | 53 | 57N | 8   | 7W   | Chama, R.                  | 100 | 36 | 57N  | 106 | 37W  |
| 51  | 52 | 22N | 7   | 30W  | Chambéry                   | 56  | 45 | 34N  | 5   | 40 E |
| 50  | 54 | 43N | 5   | 50W  | Chammagne                  | 56  | 49 | 0N   | 3   | 40 E |
| 50  | 54 | 43N | 5   | 49W  | Chandernagore              | 70  | 22 | 52N  | 88  | 24 E |
| 50  | 54 | 0N  | 6   | 43W  | Changchih                  | 73  | 36 | 11N  | 113 | 6 E  |
| 47  | 56 | 02N | 3   | 44W  | Changchow, Fukien, China   | 73  | 24 | 32N  | 117 | 44 E |
| 41  | 51 | 21N | 0   | 09W  | Changchow, Shantung, China | 73  | 36 | 55N  | 118 | 3 E  |
| 100 | 39 | 12N | 119 | 46W  | Changchun                  | 73  | 43 | 58N  | 125 | 19 E |
| 105 | 39 | 50N | 118 | 40W  | Changhua                   | 73  | 30 | 10N  | 119 | 15 E |
| 47  | 55 | 42N | 3   | 41W  | Changkiakow                | 70  | 40 | 52N  | 114 | 45 E |
| 107 | 10 | 25N | 75  | 33W  | Changkiang (Shihlu)        | 73  | 19 | 25N  | 108 | 57 E |
| 60  | 37 | 38N | 0   | 59W  | Changpai Shan              | 73  | 42 | 25N  | 129 | 0 E  |
| 107 | 4  | 45N | 75  | 55W  | Changsha                   | 73  | 28 | 5N   | 113 | 1 E  |
| 83  | 41 | 2S  | 175 | 31 E | Changteh                   | 73  | 29 | 12N  | 111 | 43 E |
| 101 | 37 | 10N | 94  | 20W  | Channel Is.                | 43  | 49 | 30N  | 2   | 40W  |
| 107 | 10 | 45N | 63  | 15W  | Chanthaburi                | 42  | 12 | 38N  | 102 | 12 E |
| 88  | 33 | 36N | 7   | 36W  | Chantilly                  | 56  | 49 | 12N  | 2   | 29 E |
| 58  | 45 | 8N  | 8   | 28 E | Chaochow                   | 73  | 23 | 45N  | 116 | 32 E |
| 100 | 45 | 0N  | 121 | 30W  | Chaotung                   | 73  | 27 | 19N  | 103 | 42 E |
| 60  | 38 | 41N | 9   | 25W  | Chapel-en-le-Frith         | 45  | 53 | 19N  | 1   | 54W  |
| 51  | 52 | 1N  | 14  | 25W  | Chapelhall                 | 47  | 55 | 50N  | 3   | 56W  |
| 51  | 52 | 31N | 7   | 53W  | Chapelton                  | 45  | 53 | 27N  | 1   | 28W  |
| 79  | 28 | 52S | 153 | 3 E  | Chaparrá, Punta            | 107 | 4  | 16N  | 77  | 32W  |
| 107 | 2  | 45N | 66  | 20W  | Charcas                    | 106 | 23 | 10N  | 101 | 20W  |
| 60  | 41 | 14N | 0   | 1W   | Charchan                   | 73  | 38 | 4N   | 85  | 16 E |
| 100 | 42 | 52N | 106 | 27W  | Charchan, R.               | 73  | 39 | 0N   | 86  | 0 E  |
| 62  | 43 | 0N  | 50  | 0 E  | Charcot I.                 | 112 | 70 | 0S   | 75  | 0W   |
| 98  | 59 | 30N | 130 | 30W  | Chard                      | 40  | 53 | 52N  | 2   | 59W  |
| 58  | 38 | 5S  | 12  | 55 E | Chardzhou                  | 71  | 39 | 6N   | 63  | 34 E |
| 60  | 40 | 15N | 0   | 5W   | Chärîb, G.                 | 91  | 28 | 6N   | 32  | 54 E |
| 56  | 43 | 20N | 1   | 58 E | Charing                    | 40  | 51 | 12N  | 0   | 49 E |
| 60  | 39 | 50N | 7   | 31W  | Charleroi                  | 52  | 50 | 24N  | 4   | 27 E |
| 58  | 37 | 40N | 12  | 46 E | Charles, C.                | 101 | 37 | 10N  | 75  | 52 E |
| 41  | 52 | 30N | 1   | 47W  | Charleston                 | 101 | 32 | 17N  | 79  | 56W  |
| 42  | 51 | 5N  | 2   | 32W  | Charlestown                | 50  | 53 | 58N  | 8   | 48W  |
| 46  | 54 | 57N | 3   | 57W  | Charlestown of             |     |    |      |     |      |
| 50  | 53 | 52N | 9   | 17W  | Aberlour                   | 48  | 57 | 27N  | 3   | 13W  |
| 49  | 56 | 57N | 7   | 30W  | Charleville, Austral.      | 79  | 26 | 24S  | 146 | 15 E |
| 50  | 54 | 7N  | 6   | 44W  | Charleville, Ireland       | 51  | 52 | 21N  | 8   | 40W  |
| 51  | 52 | 49N | 7   | 13W  | Charleville-Mézières       | 56  | 49 | 44N  | 4   | 40 E |
| 50  | 54 | 43N | 7   | 35W  | Charlotte                  | 101 | 35 | 16N  | 80  | 46W  |
| 45  | 53 | 43N | 1   | 21W  | Charlotte Waters           | 78  | 25 | 56S  | 134 | 54 E |
| 51  | 52 | 14N | 9   | 28W  | Charlottenburg             | 54  | 52 | 31N  | 13  | 15 E |
| 71  | 37 | 2S  | 144 | 12 E | Charlottetown              | 101 | 38 | 1N   | 78  | 30W  |
| 50  | 53 | 40N | 7   | 20W  | Charlottetown              | 99  | 46 | 14N  | 63  | 8W   |
| 50  | 53 | 46N | 8   | 29W  | Charmwood Forest           | 45  | 52 | 43N  | 1   | 18W  |
| 50  | 53 | 47N | 8   | 30W  | Chartres Towers            | 79  | 20 | 5S   | 146 | 13 E |
| 50  | 54 | 33N | 3   | 33W  | Chasot                     | 56  | 48 | 29N  | 1   | 30 E |
| 50  | 55 | 09N | 6   | 47W  | Chasetown                  | 41  | 52 | 40N  | 1   | 55W  |
| 42  | 51 | 33N | 3   | 05W  | Châteaubriant              | 56  | 47 | 43N  | 1   | 23W  |
| 45  | 53 | 35N | 2   | 11W  | Châteauroux                | 56  | 46 | 50N  | 1   | 40 E |
| 48  | 58 | 35N | 3   | 22W  | Châtelleraux               | 56  | 46 | 0N   | 0   | 30 E |
| 51  | 51 | 40N | 9   | 54W  | Châtelleraux               | 56  | 46 | 0N   | 0   | 30 E |
| 43  | 43 | 37N | 2   | 13 E | Chatham, N.B., Can.        | 99  | 47 | 2N   | 65  | 28W  |
| 60  | 41 | 40N | 1   | 15 E | Chatham, Ont., Can.        | 104 | 42 | 24N  | 82  | 11W  |
| 72  | 13 | 50N | 124 | 20 E | Chatham, U.K.              | 41  | 51 | 22N  | 0   | 32 E |
| 58  | 37 | 31N | 15  | 4 E  | Chatham Is.                | 72  | 44 | 0S   | 176 | 40W  |



# Chattanooga

|                          |     |    |     |     |      |
|--------------------------|-----|----|-----|-----|------|
| Chattanooga              | 101 | 35 | 2N  | 85  | 17W  |
| Chatteris                | 40  | 52 | 27N | 0   | 3 E  |
| Chaumont                 | 56  | 48 | 7N  | 5   | 8 E  |
| Chaux de Fonds, La       | 54  | 47 | 7N  | 6   | 50 E |
| Cheadle                  | 45  | 53 | 23N | 2   | 14W  |
| Cheadle Hulme            | 45  | 53 | 22N | 2   | 12W  |
| Cheb                     | 54  | 50 | 9N  | 12  | 20 E |
| Cheboygan                | 101 | 45 | 38N | 84  | 29W  |
| Cheddar                  | 42  | 41 | 16N | 2   | 47W  |
| Chehalis                 | 100 | 46 | 44N | 122 | 59W  |
| Cheju                    | 73  | 33 | 28N | 126 | 6E   |
| Cheju Do                 | 73  | 33 | 29N | 126 | 34 E |
| Chekiang □               | 73  | 29 | 30N | 120 | 0 E  |
| Chelm                    | 55  | 51 | 8N  | 23  | 30 E |
| Chelmer, R.              | 41  | 51 | 45N | 0   | 42 E |
| Chelmsford               | 41  | 51 | 44N | 0   | 29 E |
| Chelmza                  | 55  | 53 | 10N | 18  | 39 E |
| Cheltenham               | 42  | 51 | 55N | 2   | 5W   |
| Chelyabinsk              | 62  | 55 | 10N | 61  | 24 E |
| Chengchow                | 73  | 34 | 47N | 113 | 46 E |
| Chengteh                 | 73  | 41 | 0N  | 117 | 55 E |
| Chengtu                  | 73  | 30 | 45N | 104 | 0 E  |
| Chenyuan                 | 73  | 27 | 0N  | 108 | 20 E |
| Chepstow                 | 43  | 51 | 38N | 2   | 40W  |
| Chér, R.                 | 56  | 47 | 10N | 2   | 10 E |
| Cherbourg                | 56  | 49 | 39N | 1   | 40W  |
| Cheremkhovo              | 62  | 53 | 32N | 102 | 40 E |
| Cherepovets              | 61  | 59 | 5N  | 37  | 55 E |
| Chernovtsy               | 55  | 48 | 0N  | 26  | 0 E  |
| Cherskiy Ra.             | 62  | 65 | 0N  | 143 | 0 E  |
| Chertsey                 | 41  | 51 | 23N | 0   | 30W  |
| Chesapeake Bay           | 101 | 38 | 0N  | 76  | 12W  |
| Chesham                  | 41  | 51 | 42N | 0   | 36W  |
| Cheshire □               | 44  | 53 | 14N | 2   | 30W  |
| Cheshunt                 | 41  | 51 | 42N | 0   | 1W   |
| Chesil Beach             | 43  | 50 | 37N | 2   | 33W  |
| Cheslyn Hay              | 41  | 52 | 41N | 2   | 01W  |
| Chester, U.K.            | 44  | 53 | 12N | 2   | 53W  |
| Chester, U.S.A.          | 101 | 39 | 54N | 75  | 20W  |
| Chester-le-Street        | 44  | 54 | 53N | 1   | 34W  |
| Chesterfield             | 44  | 53 | 14N | 1   | 26W  |
| Chesterfield Inlet       | 98  | 63 | 30N | 90  | 45W  |
| Chesterfield, Is.        | 79  | 19 | 52S | 158 | 15 E |
| Chesviot Hills           | 46  | 55 | 20N | 2   | 30W  |
| Chew Bahir               | 89  | 4  | 40N | 30  | 50 E |
| Cheyenne                 | 101 | 41 | 9N  | 104 | 49W  |
| Chia                     | 73  | 23 | 29N | 120 | 25 E |
| Chiang Mai               | 72  | 18 | 47N | 98  | 59 E |
| Chiapa, R.               | 106 | 16 | 42N | 93  | 0W   |
| Chiávári                 | 58  | 44 | 20N | 9   | 20 E |
| Chiba                    | 76  | 35 | 30N | 140 | 7 E  |
| Chibougamau              | 99  | 49 | 56N | 74  | 24W  |
| Chibuk                   | 90  | 10 | 52N | 12  | 50 E |
| Chicago                  | 104 | 41 | 53N | 87  | 40W  |
| Chichagof I.             | 98  | 58 | 0N  | 136 | 0W   |
| Chichester               | 40  | 50 | 50N | 0   | 47W  |
| Chichibu                 | 76  | 36 | 5N  | 139 | 10 E |
| Chickasha                | 100 | 35 | 0N  | 98  | 0W   |
| Chiclayo                 | 108 | 6  | 42S | 79  | 50W  |
| Chico                    | 100 | 39 | 45N | 121 | 54W  |
| Chicoutimi               | 99  | 48 | 28N | 71  | 5W   |
| Chidley C.               | 99  | 60 | 23N | 64  | 26W  |
| Chigwell                 | 41  | 51 | 37N | 0   | 05 E |
| Chihuahua                | 106 | 28 | 40N | 106 | 3W   |
| Chilapa                  | 106 | 17 | 40N | 99  | 20W  |
| Childress                | 100 | 34 | 30N | 100 | 15W  |
| Chile ■                  | 108 | 35 | 0S  | 71  | 15W  |
| Chillagoe                | 79  | 17 | 14S | 144 | 33 E |
| Chillicothe              | 101 | 40 | 55N | 89  | 32W  |
| Chiloe I.                | 108 | 42 | 50S | 73  | 45W  |
| Chilpancingo             | 106 | 17 | 30N | 99  | 40W  |
| Chiltern Hills           | 40  | 51 | 44N | 0   | 42W  |
| Chilumba                 | 93  | 10 | 28S | 34  | 12 E |
| Chilung                  | 73  | 25 | 3N  | 121 | 45 E |
| Chimborazo               | 108 | 1  | 20S | 78  | 55W  |
| Chimkent                 | 71  | 42 | 18N | 69  | 36 E |
| China ■                  | 73  | 30 | 0N  | 110 | 0 E  |
| Chinchow                 | 73  | 41 | 10N | 121 | 2 E  |
| Chinde                   | 92  | 18 | 45S | 36  | 30 E |
| Chindwin, R.             | 70  | 21 | 26N | 95  | 15 E |
| Chinju                   | 73  | 35 | 12N | 128 | 2 E  |
| Chinkiang                | 73  | 32 | 2N  | 119 | 29 E |
| Chins Division □         | 70  | 22 | 30N | 93  | 30 E |
| Chinche                  | 93  | 11 | 50S | 34  | 5 E  |
| Chinwangtao              | 73  | 40 | 0N  | 119 | 31 E |
| Chioggia                 | 58  | 45 | 13N | 12  | 15 E |
| Chipata                  | 92  | 13 | 38S | 32  | 28 E |
| Chippenham               | 42  | 51 | 27N | 2   | 7W   |
| Chipping Campden         | 42  | 52 | 4N  | 1   | 48W  |
| Chipping Norton          | 40  | 51 | 56N | 1   | 32W  |
| Chipping Ongar           | 41  | 51 | 42N | 0   | 11 E |
| Chipping Sodbury         | 43  | 51 | 31N | 2   | 23W  |
| Chita                    | 62  | 52 | 0N  | 113 | 25 E |
| Chittagong               | 70  | 22 | 19N | 91  | 55 E |
| Chiusi                   | 58  | 43 | 1N  | 11  | 58 E |
| Chivasso                 | 58  | 45 | 10N | 7   | 52 E |
| Chobham                  | 41  | 51 | 20N | 7   | 36W  |
| Choctawhatchee B.        | 101 | 30 | 15N | 86  | 30W  |
| Choiseul I.              | 79  | 7  | 0S  | 156 | 40 E |
| Chojnice                 | 55  | 53 | 42N | 17  | 40 E |
| Cholet                   | 56  | 47 | 4N  | 0   | 52W  |
| Chomutov                 | 54  | 50 | 28N | 13  | 23 E |
| Chonju                   | 73  | 35 | 50N | 127 | 4 E  |
| Chonos Arch.             | 108 | 45 | 0S  | 75  | 0W   |
| Chorley                  | 45  | 53 | 39N | 2   | 39W  |
| Chorleywood              | 41  | 51 | 39N | 0   | 29W  |
| Chortkov                 | 55  | 49 | 2N  | 25  | 46 E |
| Chorzów                  | 55  | 50 | 18N | 19  | 0 E  |
| Choshi                   | 76  | 35 | 45N | 140 | 45 E |
| Choszczno                | 54  | 53 | 7N  | 15  | 25 E |
| Chott Djerid, L.         | 88  | 33 | 30N | 8   | 30 E |
| Choybalsan               | 73  | 48 | 4N  | 114 | 30 E |
| Christchurch             | 83  | 43 | 33S | 172 | 47 E |
| Christiana               | 94  | 27 | 52S | 25  | 8 E  |
| Christmas I., Ind. Oc.   | 72  | 10 | 0S  | 105 | 40 E |
| * Christmas I., Pac. Oc. | 22  | 1  | 58N | 157 | 27W  |
| Chu                      | 73  | 43 | 36N | 73  | 42 E |
| Chuanchow                | 73  | 24 | 57N | 118 | 31 E |
| Chubut, R.               | 108 | 43 | 0S  | 70  | 0W   |
| Chuchou                  | 77  | 27 | 50N | 113 | 10 E |
| Chudskoye, L.            | 61  | 58 | 13N | 27  | 30 E |
| Chühien                  | 73  | 35 | 35N | 118 | 49 E |
| Chuka                    | 93  | 0  | 23S | 37  | 38 E |

\* Renamed Kiritimati

|                        |     |    |     |     |      |
|------------------------|-----|----|-----|-----|------|
| Chukot Ra.             | 62  | 68 | 0N  | 175 | 0 E  |
| Chulmleigh             | 43  | 50 | 55N | 3   | 52W  |
| Chumatiem              | 73  | 33 | 0N  | 114 | 4 E  |
| Chumphon               | 72  | 10 | 35N | 99  | 14 E |
| Chunchón               | 73  | 37 | 58N | 127 | 44 E |
| Chungking              | 73  | 29 | 30N | 106 | 30 E |
| Chunyu                 | 93  | 8  | 30S | 33  | 27 E |
| Chur                   | 54  | 46 | 52N | 9   | 32 E |
| Church Stretton        | 45  | 52 | 32N | 2   | 49W  |
| Churchill Falls        | 99  | 53 | 36N | 64  | 19W  |
| Churchill Pk.          | 98  | 58 | 10N | 125 | 10W  |
| Churchill, R.          | 98  | 53 | 19N | 60  | 10W  |
| Cienfuegos             | 107 | 22 | 10N | 80  | 30W  |
| Cieza                  | 60  | 38 | 17N | 1   | 23W  |
| Cimone, Mte.           | 58  | 44 | 10N | 10  | 40 E |
| Cimpina                | 55  | 45 | 10N | 25  | 45 E |
| Cincinnati             | 104 | 39 | 10N | 84  | 26W  |
| Cinderford             | 43  | 51 | 49N | 2   | 30W  |
| Cinto, Mt.             | 56  | 42 | 24N | 8   | 54 E |
| Cirebon                | 72  | 6  | 45S | 108 | 32 E |
| Cirencester            | 42  | 51 | 43N | 1   | 59W  |
| Ciudad del Carmen      | 106 | 18 | 20N | 97  | 50W  |
| Ciudad Guayana         | 107 | 8  | 22N | 62  | 40W  |
| Ciudad Juárez          | 106 | 31 | 40N | 106 | 28W  |
| Ciudad Madero          | 106 | 22 | 19N | 97  | 50W  |
| Ciudad Mante           | 106 | 22 | 50N | 99  | 0W   |
| Ciudad Obregón         | 106 | 27 | 28N | 109 | 59W  |
| Ciudad Real            | 60  | 38 | 59N | 3   | 55W  |
| Ciudad Rodrigo         | 60  | 40 | 35N | 6   | 32W  |
| Ciudad Victoria        | 106 | 23 | 41N | 99  | 9W   |
| Civitanova Marche      | 58  | 43 | 18N | 13  | 41 E |
| Civitavecchia          | 58  | 42 | 6N  | 11  | 46 E |
| Clackmannan            | 47  | 56 | 10N | 3   | 50W  |
| Clacton-on-Sea         | 40  | 51 | 47N | 1   | 10 E |
| Clanwilliam            | 94  | 32 | 11S | 18  | 52 E |
| Claoanaig              | 46  | 55 | 45N | 5   | 24W  |
| Clare □                | 51  | 52 | 20N | 7   | 38W  |
| Clare I.               | 50  | 53 | 48N | 10  | 0W   |
| Clare, R.              | 51  | 53 | 20N | 9   | 0W   |
| Claremorris            | 50  | 53 | 45N | 9   | 0W   |
| Clarence               | 83  | 42 | 9S  | 173 | 56 E |
| Clarksburg             | 104 | 39 | 18N | 80  | 21W  |
| Clarkston              | 47  | 55 | 47N | 4   | 17W  |
| Clarksville            | 101 | 36 | 32N | 87  | 20W  |
| Claurie, L.            | 48  | 57 | 8N  | 5   | 6W   |
| Clay Cross             | 44  | 53 | 11N | 1   | 26W  |
| Clayton-le-Moors       | 45  | 53 | 46N | 2   | 23W  |
| Cleat, C.              | 51  | 51 | 26N | 9   | 30W  |
| Clear Lake Res.        | 105 | 41 | 55N | 121 | 10W  |
| Clearwater             | 101 | 27 | 58N | 82  | 45W  |
| Cleator Moor           | 44  | 54 | 30N | 3   | 32W  |
| Cleckheaton            | 45  | 53 | 43N | 1   | 43W  |
| Clee Hills             | 45  | 52 | 26N | 2   | 35W  |
| Cleethorpes            | 44  | 53 | 33N | 0   | 2W   |
| Cleeve Cloud           | 42  | 51 | 56N | 2   | 0W   |
| Clermont               | 79  | 22 | 49S | 147 | 39 E |
| Clermont-Ferrand       | 56  | 45 | 46N | 3   | 4 E  |
| Cleveland              | 43  | 51 | 26N | 2   | 52W  |
| Cleveland, U.K.        | 44  | 54 | 29N | 1   | 0W   |
| Cleveland, U.S.A.      | 104 | 41 | 28N | 81  | 43W  |
| Cleveland Hills        | 44  | 54 | 25N | 1   | 11W  |
| Cleveysley             | 45  | 53 | 52N | 3   | 03W  |
| Clew Bay               | 50  | 53 | 54N | 9   | 50W  |
| Clifden, Ireland       | 51  | 53 | 30N | 10  | 2W   |
| Cliffden, N.Z.         | 83  | 46 | 1S  | 167 | 42 E |
| Clifton                | 43  | 51 | 28N | 2   | 38W  |
| Clinch Mts.            | 101 | 36 | 30N | 83  | 0W   |
| Clinton, N.Z.          | 83  | 46 | 12S | 169 | 23 E |
| Clinton, Iowa, U.S.A.  | 101 | 41 | 50N | 90  | 12W  |
| Clinton, Okla., U.S.A. | 100 | 35 | 30N | 99  | 0W   |
| Clisham, Mt.           | 48  | 57 | 57N | 6   | 49W  |
| Clitheroe              | 45  | 53 | 52N | 2   | 23W  |
| Cloghan                | 51  | 53 | 13N | 7   | 53W  |
| Clogher Hd.            | 50  | 53 | 48N | 6   | 15W  |
| Cloghnan               | 51  | 53 | 26N | 6   | 14W  |
| Clonakilty             | 51  | 51 | 37N | 8   | 53W  |
| Cloncurry              | 79  | 20 | 40S | 140 | 28 E |
| Clondalkin             | 51  | 53 | 20N | 6   | 25W  |
| Cloness                | 51  | 53 | 25N | 6   | 28W  |
| Clonmel                | 50  | 54 | 10N | 7   | 13W  |
| Clontarf               | 51  | 52 | 22N | 7   | 42W  |
| Clontarf               | 51  | 53 | 22N | 6   | 10W  |
| Cloppenburg            | 52  | 52 | 50N | 8   | 3 W  |
| Clovelly               | 43  | 51 | 0N  | 4   | 25W  |
| Clovio                 | 100 | 36 | 54N | 119 | 45W  |
| Cloyne                 | 51  | 51 | 52N | 8   | 7W   |
| Cluj                   | 55  | 46 | 47N | 23  | 38 E |
| Clutha, R.             | 83  | 46 | 20S | 169 | 49 E |
| Clwyd □                | 42  | 53 | 5N  | 3   | 20W  |
| Clwyd, R.              | 43  | 53 | 12N | 3   | 30W  |
| Clwydian Range         | 42  | 53 | 10N | 3   | 15W  |
| Clydach                | 43  | 51 | 42N | 3   | 54W  |
| Clyde                  | 83  | 45 | 12S | 169 | 20 E |
| Clyde, Firth of        | 46  | 55 | 20N | 5   | 0W   |
| Clyde, R.              | 46  | 55 | 46N | 4   | 58W  |
| Clydebank              | 47  | 55 | 54N | 4   | 25W  |
| Coalisleaund           | 50  | 54 | 33N | 6   | 42W  |
| Coalville              | 45  | 52 | 43N | 1   | 21W  |
| Coast Mts.             | 98  | 52 | 0N  | 126 | 0W   |
| Coast Range            | 100 | 40 | 0N  | 124 | 0W   |
| Coastal Plains Basin   | 78  | 30 | 10S | 115 | 30 E |
| Coatbridge             | 47  | 55 | 52N | 4   | 2W   |
| Coats I.               | 99  | 62 | 30N | 83  | 0W   |
| Coats Land             | 112 | 77 | 0S  | 25  | 0W   |
| Coatzacoalcas          | 106 | 18 | 7N  | 94  | 35W  |
| Cobalt                 | 99  | 47 | 25N | 79  | 42W  |
| Cobar                  | 79  | 31 | 27S | 145 | 48 E |
| Cobh                   | 51  | 51 | 50N | 8   | 18W  |
| Cobham                 | 41  | 51 | 19N | 0   | 25W  |
| Coburg                 | 54  | 50 | 15N | 10  | 58 E |
| Cochabamba             | 108 | 17 | 15S | 66  | 20W  |
| Cochin                 | 70  | 9  | 55N | 76  | 22 E |
| Cochrane               | 99  | 49 | 0N  | 81  | 0W   |
| Cockenzie              | 41  | 55 | 58N | 2   | 59W  |
| Cockermouth            | 44  | 54 | 40N | 3   | 22W  |
| Cocos, Is.             | 70  | 12 | 10S | 96  | 50 E |
| Cocos (Keeling) Is.    | 72  | 12 | 12S | 96  | 54 E |
| Codsall                | 41  | 52 | 38N | 2   | 12W  |
| Coen                   | 79  | 13 | 52S | 143 | 12 E |
| Coeur d'Alene          | 100 | 47 | 45N | 116 | 51W  |
| Coffs Harbour          | 79  | 30 | 16S | 153 | 5 E  |
| Coggeshall             | 40  | 51 | 53N | 0   | 41 E |



# Cullera

|                  |     |    |      |     |      |
|------------------|-----|----|------|-----|------|
| Cullera          | 60  | 39 | 9N   | 0   | 17W  |
| Cullercoats      | 44  | 55 | 02N  | 1   | 26W  |
| Cullompton       | 43  | 50 | 52N  | 3   | 23W  |
| Culross          | 47  | 56 | 4N   | 3   | 38W  |
| Culverden        | 83  | 42 | 47 S | 172 | 49 E |
| Cumaná           | 107 | 10 | 30N  | 64  | 5W   |
| Cumberland       | 104 | 39 | 40N  | 78  | 43W  |
| Cumberland Pen.  | 99  | 67 | 0N   | 64  | 0W   |
| Cumberland Plat. | 101 | 36 | 0N   | 84  | 30W  |
| Cumberland Sd.   | 99  | 65 | 30N  | 66  | 0W   |
| Cumbria          | 44  | 54 | 35N  | 2   | 55W  |
| Cumbrian Mts.    | 44  | 54 | 30N  | 3   | 0W   |
| Cunene, R.       | 92  | 17 | 0 S  | 15  | 0 E  |
| Cúneo            | 58  | 44 | 23N  | 7   | 31 E |
| Cunnamulla       | 79  | 28 | 2 S  | 145 | 38 E |
| Cunninghame      | 46  | 55 | 38N  | 4   | 35W  |
| Cupar            | 47  | 56 | 20N  | 3   | 0W   |
| Curaçao, I.      | 107 | 12 | 10N  | 69  | 0W   |
| Curitiba         | 108 | 25 | 20S  | 49  | 10W  |
| Currie           | 47  | 55 | 53N  | 3   | 17W  |
| Cushendall       | 50  | 55 | 5N   | 6   | 3W   |
| Cuttack          | 70  | 20 | 25N  | 85  | 57 E |
| Cuxhaven         | 54  | 53 | 51N  | 14  | 45 E |
| Cuyuni, R.       | 107 | 7  | 0N   | 59  | 30W  |
| Cuzco            | 108 | 13 | 32 S | 72  | 0W   |
| Cwm              | 43  | 51 | 44N  | 3   | 11W  |
| Cymmer           | 43  | 51 | 37N  | 3   | 38W  |
| Cyprus           | 71  | 35 | 0N   | 33  | 0 E  |
| Czechoslovakia   | 55  | 49 | 0N   | 17  | 0 E  |
| Czeremcha        | 55  | 52 | 32N  | 23  | 20 E |
| Częstochowa      | 55  | 50 | 49N  | 19  | 7 E  |

# D

|                        |     |    |      |     |      |
|------------------------|-----|----|------|-----|------|
| Da Nang                | 72  | 16 | 4N   | 108 | 13 E |
| Daba', Rás éil         | 91  | 31 | 3N   | 28  | 31 E |
| Dabai                  | 90  | 11 | 25N  | 5   | 15 E |
| Dagbie                 | 54  | 53 | 27N  | 14  | 45 E |
| Dacca                  | 70  | 23 | 43N  | 90  | 26 E |
| Dadiya                 | 90  | 9  | 35N  | 11  | 24 E |
| Dagenham               | 41  | 51 | 33N  | 0   | 10 E |
| Dagupan                | 72  | 16 | 3N   | 120 | 20 E |
| Dahlak Arch            | 71  | 15 | 40N  | 40  | 5 E  |
| Daingean               | 51  | 53 | 18N  | 7   | 15W  |
| Dairút                 | 91  | 27 | 34N  | 30  | 43 E |
| Dajarra                | 79  | 21 | 42 S | 139 | 30 E |
| Dakar                  | 88  | 14 | 34N  | 17  | 29W  |
| Dakhla Oasis           | 91  | 25 | 30N  | 28  | 50 E |
| Dakingari              | 90  | 11 | 37N  | 4   | 1 E  |
| Dal, R.                | 61  | 60 | 12N  | 16  | 40 E |
| Dalbandin              | 71  | 29 | 0N   | 64  | 23 E |
| Dalbattie              | 46  | 54 | 55N  | 3   | 50W  |
| Dalby                  | 79  | 27 | 10S  | 151 | 17 E |
| Dalkeith               | 93  | 25 | 59N  | 39  | 12 E |
| Dalkeith               | 47  | 55 | 54N  | 3   | 5W   |
| Dalkey                 | 51  | 53 | 16N  | 6   | 7W   |
| Dallas, Oregon, U.S.A. | 100 | 45 | 0N   | 123 | 15W  |
| Dallas, Texas, U.S.A.  | 101 | 32 | 50N  | 96  | 50W  |
| Dalmally               | 46  | 56 | 25N  | 5   | 0W   |
| Dalmatia, dist.        | 58  | 43 | 20N  | 17  | 0 E  |
| Dalneretichensk        | 73  | 45 | 50N  | 133 | 40W  |
| Dalry                  | 47  | 55 | 44N  | 4   | 42W  |
| Dalton                 | 45  | 54 | 09N  | 3   | 10W  |
| Dalwhinnie             | 48  | 56 | 56N  | 4   | 14W  |
| Daly, R.               | 78  | 13 | 21 S | 130 | 18 E |
| Daly Waters            | 78  | 16 | 15 S | 133 | 24 E |
| Dam                    | 71  | 20 | 30N  | 44  | 35 E |
| Daman                  | 70  | 20 | 25N  | 72  | 57 E |
| Damanhûr               | 91  | 31 | 0N   | 30  | 30 E |
| Damaraland             | 92  | 21 | 0 S  | 17  | 0 E  |
| Damascus               | 71  | 33 | 30N  | 36  | 18 E |
| Dâmbovița, R.          | 55  | 44 | 40N  | 26  | 0 E  |
| Damietta               | 91  | 31 | 24N  | 31  | 48 E |
| Damme                  | 52  | 52 | 32N  | 8   | 12 E |
| Dampier                | 78  | 20 | 41 S | 116 | 42 E |
| Dampier Downs          | 78  | 18 | 24 S | 123 | 5 E  |
| Dan Gulbi              | 90  | 11 | 40N  | 6   | 15 E |
| Danger Pt.             | 94  | 34 | 40 S | 19  | 17 E |
| Dangora                | 90  | 11 | 30N  | 8   | 7 E  |
| Danja                  | 90  | 11 | 29N  | 7   | 30 E |
| Dankama                | 90  | 13 | 20N  | 7   | 44 E |
| Dannemora              | 61  | 60 | 12N  | 17  | 51 E |
| Dannevirke             | 83  | 40 | 12 S | 176 | 8 E  |
| Danube, R.             | 55  | 45 | 0N   | 28  | 20W  |
| Danville, Ill., U.S.A. | 101 | 40 | 10N  | 87  | 40W  |
| Danville, Ky., U.S.A.  | 101 | 37 | 40N  | 84  | 45W  |
| Dar-es-Salaam          | 93  | 6  | 50S  | 39  | 12 E |
| Darbhangá              | 70  | 26 | 15N  | 86  | 8 E  |
| Dardanelles            | 71  | 40 | 0N   | 26  | 20 E |
| Darent, R.             | 41  | 51 | 22N  | 0   | 12 E |
| Darfield               | 45  | 53 | 32N  | 1   | 23W  |
| Dargaville             | 83  | 35 | 57 S | 173 | 52 E |
| Darien, G. of          | 96  | 9  | 0N   | 77  | 0W   |
| Darjeeling             | 70  | 27 | 3N   | 88  | 18 E |
| Darlington             | 41  | 52 | 35N  | 2   | 1W   |
| Darling, R.            | 79  | 34 | 4 S  | 141 | 54 E |
| Darling Ra.            | 78  | 32 | 30 S | 116 | 0 E  |
| Darlington             | 44  | 54 | 33N  | 1   | 33W  |
| Darmstadt              | 54  | 49 | 51N  | 8   | 40 E |
| Darnley, C.            | 112 | 68 | 0 S  | 69  | 0 E  |
| Dart, R.               | 43  | 50 | 24N  | 3   | 36W  |
| Dartford               | 41  | 51 | 26N  | 0   | 15 E |
| Dartmouth              | 43  | 50 | 36N  | 4   | 0W   |
| Dartmouth, Can.        | 99  | 44 | 40N  | 63  | 30W  |
| Dartmouth, U.K.        | 43  | 50 | 21N  | 3   | 35W  |
| Darton                 | 45  | 53 | 36N  | 1   | 32W  |
| Daru                   | 79  | 9  | 3 S  | 143 | 13 E |
| Darvel                 | 47  | 55 | 37N  | 4   | 20W  |
| Darwen                 | 45  | 53 | 42N  | 2   | 29W  |
| Darwin                 | 78  | 12 | 25 S | 130 | 51 E |
| Dasht-e Lût            | 71  | 31 | 30N  | 58  | 0 E  |
| Dasht-i-Margo          | 71  | 30 | 40N  | 62  | 30 E |
| Dasht, R.              | 71  | 25 | 40N  | 62  | 20 E |
| Datchet                | 41  | 51 | 28N  | 0   | 34W  |
| Datteln                | 52  | 51 | 39N  | 7   | 23 E |
| Daugavpils             | 61  | 55 | 53N  | 26  | 32 E |
| Dauphin                | 98  | 51 | 9N   | 100 | 5W   |
| Dauphiné               | 56  | 45 | 15N  | 5   | 25 E |
| Daura                  | 90  | 11 | 31N  | 11  | 24 E |
| Davangere              | 70  | 14 | 25N  | 75  | 50 E |
| Davao                  | 72  | 7  | 0N   | 125 | 40 E |

|                                |     |    |      |     |      |
|--------------------------------|-----|----|------|-----|------|
| Davao, G. of                   | 72  | 6  | 30N  | 125 | 48 E |
| Davenport                      | 101 | 41 | 30N  | 90  | 40W  |
| Davis Str.                     | 96  | 65 | 0N   | 58  | 0W   |
| Dawlish                        | 43  | 50 | 34N  | 3   | 28W  |
| Dawson                         | 98  | 64 | 10N  | 139 | 30W  |
| Dawson Creek                   | 98  | 55 | 45N  | 120 | 15W  |
| Dax                            | 56  | 43 | 43N  | 1   | 3W   |
| Dayton, Ohio, U.S.A.           | 104 | 39 | 45N  | 84  | 10W  |
| Dayton, Wash., U.S.A.          | 100 | 46 | 20N  | 118 | 10W  |
| Daytona Beach                  | 101 | 29 | 14N  | 81  | 0W   |
| De Aar                         | 94  | 30 | 39 S | 24  | 0 E  |
| De Grey                        | 78  | 20 | 12 S | 119 | 12 E |
| Dead Sea                       | 89  | 31 | 30N  | 35  | 30 E |
| Deakin                         | 78  | 30 | 46 S | 129 | 58 E |
| Deal                           | 40  | 51 | 13N  | 1   | 25 E |
| Dean, Forest of                | 42  | 51 | 50N  | 2   | 35W  |
| Death Valley                   | 100 | 36 | 27N  | 116 | 52W  |
| Debre Tabor                    | 89  | 11 | 50N  | 38  | 26 E |
| Debrecen                       | 55  | 47 | 33N  | 21  | 42 E |
| Decatur, Ala., U.S.A.          | 101 | 34 | 35N  | 87  | 0W   |
| Decatur, Ga., U.S.A.           | 101 | 33 | 47N  | 84  | 17W  |
| Decatur, Ill., U.S.A.          | 101 | 39 | 50N  | 89  | 0W   |
| Decizeville                    | 56  | 44 | 34N  | 2   | 15 E |
| Decan                          | 70  | 14 | 0N   | 77  | 0 E  |
| Dee, R., Scot., U.K.           | 48  | 57 | 4N   | 2   | 7W   |
| Dee, R., Wales, U.K.           | 44  | 53 | 15N  | 3   | 7W   |
| Deggendorf                     | 54  | 48 | 49N  | 12  | 59 E |
| Dehiwala                       | 70  | 6  | 50N  | 79  | 51 E |
| Dej                            | 55  | 47 | 10N  | 23  | 52 E |
| Del Rio                        | 100 | 29 | 15N  | 100 | 50W  |
| Delagoa B.                     | 92  | 25 | 50 S | 32  | 45 E |
| Delareyville                   | 94  | 26 | 41 S | 25  | 26 E |
| Delaware                       | 101 | 39 | 0N   | 75  | 40W  |
| Delaware B.                    | 101 | 38 | 50N  | 75  | 0W   |
| Delft                          | 52  | 52 | 1N   | 4   | 22 E |
| Delfzijl                       | 52  | 53 | 20N  | 6   | 55 E |
| Delhi                          | 70  | 28 | 38N  | 77  | 17 E |
| Demanda, Sierra de la          | 60  | 42 | 15N  | 3   | 0W   |
| Deming                         | 100 | 32 | 10N  | 107 | 50W  |
| Den Helder                     | 52  | 52 | 57N  | 4   | 45 E |
| Denain                         | 56  | 50 | 20N  | 3   | 22 E |
| Denbigh                        | 42  | 53 | 12N  | 3   | 26W  |
| Denby Dale                     | 45  | 53 | 35N  | 1   | 40W  |
| Dengi                          | 90  | 9  | 25N  | 9   | 55 E |
| Denham                         | 78  | 25 | 56 S | 113 | 31 E |
| Denholme                       | 45  | 53 | 47N  | 1   | 54W  |
| Deniliquin                     | 79  | 35 | 30 S | 144 | 58 E |
| Denmark                        | 78  | 34 | 59 S | 117 | 18 E |
| Denmark                        | 61  | 55 | 30N  | 9   | 0 E  |
| Denmark Str.                   | 96  | 66 | 0N   | 30  | 0W   |
| Denny                          | 47  | 56 | 1N   | 3   | 55W  |
| Denpasar                       | 72  | 8  | 45 S | 115 | 5 E  |
| Denton, U.K.                   | 45  | 53 | 26N  | 2   | 10W  |
| Denton, U.S.A.                 | 101 | 33 | 12N  | 97  | 10W  |
| Denver                         | 100 | 39 | 45N  | 105 | 22W  |
| Der'a                          | 89  | 32 | 36N  | 36  | 7 E  |
| Dera Ismail Khan               | 71  | 31 | 50N  | 70  | 50 E |
| Derbent                        | 71  | 42 | 5N   | 48  | 15 E |
| Derby                          | 45  | 52 | 55N  | 1   | 28W  |
| Derby                          | 45  | 52 | 55N  | 1   | 28W  |
| Derby                          | 51  | 53 | 0N   | 8   | 20W  |
| Derg, L., Ireland              | 50  | 54 | 37N  | 7   | 53W  |
| Derg, L., Donegal, Ireland     | 89  | 32 | 40N  | 22  | 35 E |
| Derna                          | 50  | 55 | 0N   | 7   | 19W  |
| Derry = Londonderry            | 51  | 51 | 58N  | 9   | 15W  |
| Derrynagatt Mts.               | 50  | 55 | 0N   | 8   | 40W  |
| Derryveagh Mts.                | 40  | 52 | 51N  | 0   | 30 E |
| Dersingham                     | 44  | 53 | 45N  | 0   | 57W  |
| Derwent, R., N. Yorks., U.K.   | 44  | 53 | 45N  | 0   | 57W  |
| Derwent, R., Tyne & Wear, U.K. | 44  | 54 | 58N  | 1   | 40W  |
| Derwentwater, L.               | 44  | 54 | 34N  | 3   | 9W   |
| Des Moines                     | 101 | 41 | 35N  | 93  | 37W  |
| Desborough                     | 45  | 52 | 27N  | 0   | 50W  |
| Deschutes, R.                  | 105 | 45 | 30N  | 121 | 0W   |
| Desford                        | 41  | 52 | 38N  | 1   | 19W  |
| Dessna, R.                     | 55  | 52 | 0N   | 33  | 15 E |
| Dessau                         | 54  | 51 | 49N  | 12  | 15 E |
| Detroit                        | 104 | 42 | 13N  | 83  | 22W  |
| Deurme                         | 52  | 51 | 27N  | 5   | 49 E |
| Deventer                       | 52  | 52 | 15N  | 6   | 10 E |
| Deveron, R.                    | 48  | 57 | 40N  | 2   | 31W  |
| Devil's Bridge                 | 42  | 52 | 23N  | 3   | 50W  |
| Devils Lake                    | 100 | 48 | 5N   | 98  | 50W  |
| Devizes                        | 42  | 51 | 21N  | 2   | 0W   |
| Devon I.                       | 98  | 75 | 47N  | 88  | 0W   |
| Devon, R.                      | 47  | 56 | 07N  | 8   | 51W  |
| Devonport, Austral.            | 79  | 41 | 10 S | 146 | 22 E |
| Devonport, N.Z.                | 83  | 36 | 49 S | 174 | 49 E |
| Devonshire                     | 43  | 50 | 50N  | 3   | 40W  |
| Dewsbury                       | 45  | 53 | 42N  | 1   | 38W  |
| Dezful                         | 71  | 32 | 20N  | 48  | 30 E |
| Dhaulagiri Mt.                 | 70  | 28 | 45N  | 83  | 45 E |
| Diapaga                        | 90  | 12 | 5N   | 1   | 46 E |
| Dickinson                      | 100 | 46 | 50N  | 102 | 40W  |
| Didcot                         | 40  | 51 | 36N  | 1   | 14W  |
| *Diégo Suarez                  | 92  | 12 | 25 S | 49  | 20 E |
| Dieppe                         | 56  | 49 | 54N  | 1   | 4 E  |
| Dieren                         | 52  | 52 | 3N   | 6   | 6 E  |
| Differdange                    | 52  | 49 | 81N  | 5   | 54 E |
| Digby                          | 99  | 44 | 38N  | 65  | 50W  |
| Digges Is.                     | 99  | 62 | 40N  | 77  | 50W  |
| Dijon                          | 56  | 47 | 20N  | 5   | 0 E  |
| Dikwa                          | 90  | 12 | 48N  | 13  | 30 E |
| Dili                           | 72  | 8  | 39 S | 125 | 34 E |
| Dillingen                      | 52  | 49 | 22N  | 6   | 42 E |
| Dinan                          | 56  | 48 | 28N  | 2   | 2W   |
| Dinaric Alps                   | 58  | 44 | 0N   | 17  | 30 E |
| Dinas Mawddwy                  | 42  | 52 | 44N  | 3   | 41W  |
| Dingle                         | 51  | 52 | 9N   | 10  | 17W  |
| Dingle B.                      | 51  | 52 | 3N   | 10  | 20W  |
| Dingwall                       | 48  | 57 | 36N  | 4   | 26W  |
| Dire Dawa                      | 89  | 9  | 35N  | 41  | 45 E |
| Dissanabandi                   | 79  | 28 | 33 S | 148 | 17 E |
| Disappointment, C.             | 100 | 46 | 20N  | 124 | 0W   |
| Disappointment L.              | 78  | 23 | 20 S | 122 | 40 E |
| Dishna                         | 91  | 26 | 9N   | 32  | 32 E |
| Disko                          | 96  | 69 | 45N  | 53  | 30W  |
| Diss                           | 40  | 52 | 23N  | 1   | 6 E  |
| Disūq                          | 91  | 31 | 8N   | 30  | 35 E |
| Diu, I.                        | 70  | 20 | 45N  | 70  | 58 E |

\* Renamed Antsirirana

|                |    |    |     |    |      |
|----------------|----|----|-----|----|------|
| Diyarbakir     | 71 | 37 | 55N | 40 | 18 E |
| Djelfa         | 88 | 34 | 40N | 3  | 15 E |
| Djibouti       | 89 | 11 | 30N | 43 | 5 E  |
| Djibouti       | 89 | 11 | 30N | 42 | 15 E |
| Djouougou      | 90 | 9  | 40N | 1  | 45 E |
| Dnepropetrovsk | 62 | 48 | 30N | 35 | 0 E  |



## Eddrachillis B

|                             |     |    |      |     |      |
|-----------------------------|-----|----|------|-----|------|
| Eddrachillis B.             | 48  | 58 | 16N  | 5   | 10W  |
| Ede, Neth.                  | 52  | 52 | 4N   | 5   | 40 E |
| Ede, Nigeria                | 90  | 7  | 45N  | 4   | 29 E |
| Eden, R.                    | 44  | 54 | 57N  | 3   | 2W   |
| Edenbridge                  | 40  | 51 | 12N  | 0   | 4 E  |
| Edenburg                    | 94  | 29 | 43 S | 25  | 58 E |
| Edenderry                   | 51  | 53 | 21N  | 7   | 3W   |
| Edgerston Tofts             | 46  | 55 | 24N  | 2   | 29W  |
| Edgworth                    | 45  | 53 | 38N  | 2   | 23W  |
| Edievale                    | 85  | 45 | 49 S | 169 | 22 E |
| Edinburgh                   | 47  | 55 | 57N  | 3   | 12W  |
| Edmonton                    | 98  | 53 | 30N  | 113 | 30W  |
| Edmundston                  | 99  | 47 | 23N  | 68  | 20W  |
| Edward, L. = Idi Amin       |     |    |      |     |      |
| Dada, L.                    | 93  | 0  | 25 S | 29  | 40 E |
| Edwards Plat. .             | 100 | 30 | 30N  | 01  | 5W   |
| Eekloo                      | 52  | 51 | 11N  | 3   | 33 E |
| Eersterus                   | 94  | 25 | 44 S | 28  | 21 E |
| EGadi Is.                   | 58  | 37 | 55N  | 12  | 10 E |
| Egersund,                   |     |    |      |     |      |
| Norway                      | 61  | 58 | 26N  | 6   | 1 E  |
| Egerton, Mt.                | 78  | 24 | 42 S | 117 | 44 E |
| Egglescliffe                | 44  | 54 | 31N  | 1   | 21W  |
| Egham                       | 41  | 51 | 25N  | 0   | 33W  |
| Egmont, C.                  | 83  | 39 | 16 S | 173 | 45 E |
| Egmont, Mt.                 | 83  | 39 | 17 S | 174 | 5 E  |
| Egremont                    | 44  | 54 | 28N  | 3   | 33W  |
| Egume                       | 90  | 7  | 30N  | 7   | 14 E |
| Egypt ■                     | 91  | 28 | 0N   | 31  | 0 E  |
| Eha, Amufu                  | 90  | 6  | 30N  | 7   | 40 E |
| Eifel                       | 52  | 50 | 10N  | 6   | 45 E |
| Eig, I.                     | 48  | 56 | 54N  | 6   | 10W  |
| Eil                         | 89  | 8  | 0N   | 49  | 50 E |
| Eindhoven                   | 52  | 51 | 26N  | 5   | 30 E |
| Eitorf                      | 52  | 50 | 46N  | 7   | 28 E |
| Eket                        | 90  | 4  | 38N  | 7   | 56W  |
| Eketahuna                   | 83  | 40 | 38 S | 175 | 43 E |
| El 'Aiyat                   | 91  | 29 | 36N  | 31  | 15 E |
| El Alamein                  | 91  | 30 | 48N  | 28  | 58 E |
| El 'Arish                   | 91  | 31 | 8N   | 33  | 50 E |
| El Badāri                   | 91  | 27 | 4N   | 31  | 25 E |
| El Ballās                   | 91  | 26 | 2N   | 32  | 43 E |
| El Balyana                  | 91  | 26 | 10N  | 32  | 3 E  |
| El Bawit                    | 91  | 28 | 25N  | 28  | 45 E |
| El Blanco                   | 107 | 10 | 28N  | 74  | 52W  |
| El Callao                   | 107 | 7  | 25N  | 61  | 50W  |
| El Centro                   | 102 | 32 | 50N  | 115 | 40W  |
| El Dab'a                    | 91  | 31 | 0N   | 28  | 47 E |
| El Djouf                    | 88  | 20 | 0N   | 11  | 30 E |
| El Dorado, Ark., U.S.A.     | 101 | 33 | 10N  | 92  | 40W  |
| El Dorado, Kans., U.S.A.    | 101 | 37 | 55N  | 96  | 56W  |
| El Escorial                 | 60  | 40 | 35N  | 4   | 7W   |
| El Faiyūm                   | 91  | 29 | 19N  | 30  | 50 E |
| El Fāsher                   | 89  | 13 | 33N  | 25  | 26 E |
| El Fashn                    | 91  | 28 | 50N  | 30  | 54 E |
| El Fuerte                   | 106 | 26 | 30N  | 108 | 40W  |
| El Gedida                   | 91  | 25 | 40N  | 28  | 30 E |
| El Geneina                  | 89  | 13 | 27N  | 22  | 45 E |
| El Giza                     | 91  | 30 | 0N   | 31  | 10 E |
| El Hammam                   | 91  | 30 | 52N  | 29  | 25 E |
| El Iskandariya = Alexandria | 91  | 31 | 0N   | 30  | 0 E  |
| El Khārga                   | 91  | 25 | 30N  | 30  | 33 E |
| El Kuntilla                 | 91  | 30 | 1N   | 34  | 45 E |
| El Mahalla el Kubra         | 91  | 31 | 0N   | 31  | 0 E  |
| El Mahāriq                  | 91  | 25 | 35N  | 30  | 35 E |
| El Mansūria                 | 91  | 31 | 0N   | 31  | 19 E |
| El Manzala                  | 91  | 31 | 10N  | 31  | 50 E |
| El Matariya                 | 91  | 31 | 15N  | 32  | 0 E  |
| El Minyā                    | 91  | 28 | 7N   | 30  | 33 E |
| El Obeid                    | 89  | 13 | 8N   | 30  | 10 E |
| El Paso                     | 100 | 31 | 50N  | 106 | 30W  |
| El Qāhira = Cairo           | 91  | 30 | 1N   | 31  | 14 E |
| El Qantara                  | 91  | 30 | 51N  | 32  | 20 E |
| El Qasr                     | 91  | 25 | 44N  | 28  | 42 E |
| El Quseima                  | 91  | 30 | 40N  | 34  | 15 E |
| El Qusiya                   | 91  | 27 | 29N  | 30  | 44 E |
| El Rāshda                   | 91  | 25 | 36N  | 28  | 57 E |
| El Real                     | 107 | 8  | 0N   | 77  | 40W  |
| El Reis                     | 91  | 27 | 50N  | 28  | 40 E |
| El Reno                     | 100 | 35 | 30N  | 98  | 0W   |
| El Saff                     | 91  | 29 | 34N  | 31  | 16 E |
| El Shamad                   | 91  | 29 | 40N  | 34  | 28 E |
| El Tigre                    | 107 | 8  | 55N  | 64  | 15W  |
| El Wak                      | 93  | 2  | 49N  | 40  | 56 E |
| El Waqf                     | 91  | 25 | 45N  | 32  | 15 E |
| El Wāsta                    | 91  | 29 | 19N  | 31  | 12 E |
| Elat                        | 91  | 29 | 30N  | 34  | 56 E |
| Elāziḡ                      | 71  | 38 | 37N  | 39  | 22 E |
| Elba                        | 58  | 42 | 48N  | 10  | 15 E |
| Elbe, R.                    | 54  | 53 | 50N  | 9   | 0 E  |
| Elbert, Mt.                 | 100 | 39 | 12N  | 106 | 36W  |
| Elbeuf                      | 56  | 49 | 17N  | 1   | 2 E  |
| Elblag                      | 55  | 54 | 10N  | 19  | 25 E |
| Elbrus, Mt.                 | 62  | 43 | 30N  | 42  | 30 E |
| Elburz Mts.                 | 71  | 36 | 0N   | 52  | 0 E  |
| Elche                       | 60  | 38 | 15N  | 0   | 42W  |
| Eldoret                     | 93  | 0  | 30N  | 35  | 25 E |
| Electra                     | 100 | 61 | 0 S  | 55  | 0W   |
| Elephant I.                 | 112 | 61 | 0 S  | 55  | 0W   |
| Eleuthera I.                | 107 | 25 | 0N   | 76  | 20W  |
| Elgin, U.K.                 | 48  | 57 | 39N  | 3   | 20W  |
| Elgin, U.S.A.               | 101 | 42 | 0N   | 88  | 20W  |
| Elgol                       | 48  | 57 | 9N   | 6   | 6W   |
| Elgon, Mt.                  | 93  | 1  | 10N  | 34  | 30 E |
| Elizabeth, Austral.         | 79  | 34 | 42 S | 138 | 41 E |
| Elizabeth, U.S.A.           | 104 | 40 | 37N  | 74  | 12W  |
| Elkhart                     | 101 | 41 | 42N  | 85  | 55W  |
| Elkins                      | 101 | 38 | 53N  | 79  | 53W  |
| Elko                        | 100 | 40 | 50N  | 115 | 50W  |
| Elland                      | 45  | 53 | 41N  | 1   | 49W  |
| Ellensburg                  | 100 | 47 | 0N   | 120 | 30W  |
| Ellesmere                   | 45  | 52 | 55N  | 2   | 53W  |
| Ellesmere I.                | 99  | 79 | 30N  | 80  | 0W   |
| Ellesmere Port              | 45  | 53 | 17N  | 2   | 55W  |
| Ellesworth Land             | 22  | 74 | 0 S  | 85  | 0W   |
| Ellon                       | 48  | 57 | 21N  | 0   | 0W   |
| Ellsworth Land              | 112 | 76 | 0N   | 89  | 0W   |
| Elmenteita                  | 93  | 0  | 32 S | 36  | 14 E |
| Elmina                      | 88  | 5  | 5N   | 1   | 21W  |
| Elmira                      | 104 | 42 | 8N   | 76  | 49W  |
| Eltham                      | 83  | 39 | 26 S | 174 | 19 E |

|                          |     |    |      |     |      |
|--------------------------|-----|----|------|-----|------|
| Eluru                    | 70  | 16 | 48N  | 81  | 8 E  |
| Elvas                    | 60  | 38 | 50N  | 7   | 17W  |
| Ely, Camb., U.K.         | 40  | 52 | 24N  | 0   | 16 E |
| Ely, S. Glam., U.K.      | 43  | 51 | 28N  | 3   | 12W  |
| Ely, U.S.A.              | 100 | 39 | 10N  | 114 | 50W  |
| Elyria                   | 101 | 41 | 22N  | 82  | 8W   |
| Embu                     | 93  | 0  | 32 S | 37  | 38 E |
| Emden                    | 52  | 53 | 25N  | 7   | 12 E |
| Emerald                  | 79  | 23 | 32 S | 148 | 10 E |
| Emilia-Romagna □         | 58  | 44 | 33N  | 10  | 40 E |
| Emmen                    | 52  | 52 | 48N  | 6   | 57 E |
| Emmerich                 | 52  | 51 | 50N  | 6   | 12 E |
| Empangeni                | 94  | 28 | 50N  | 31  | 52 E |
| Ems, R.                  | 52  | 53 | 25N  | 7   | 0 E  |
| Emsdetten                | 52  | 52 | 11N  | 7   | 31 E |
| Enard B.                 | 48  | 58 | 5N   | 5   | 20W  |
| Endeavour Str.           | 79  | 10 | 45 S | 142 | 0 E  |
| Enderby                  | 41  | 52 | 35N  | 1   | 15W  |
| Enderby Land             | 112 | 66 | 0 S  | 53  | 0 E  |
| Endicott Mts.            | 98  | 68 | 0N   | 152 | 30W  |
| Enfield                  | 41  | 51 | 39N  | 0   | 4W   |
| Enggano, I.              | 72  | 5  | 20 S | 102 | 40 E |
| England □                | 44  | 53 | 0N   | 2   | 0W   |
| Englefield Green         | 41  | 51 | 26N  | 1   | 06W  |
| English Channel          | 24  | 50 | 0N   | 2   | 0W   |
| Enid                     | 100 | 36 | 26N  | 97  | 52W  |
| Enid, Mt.                | 78  | 21 | 43 S | 116 | 25 E |
| Enna                     | 58  | 37 | 34N  | 14  | 15 E |
| Ennell, L.               | 51  | 53 | 29N  | 7   | 25W  |
| Ennis                    | 51  | 52 | 51N  | 8   | 59W  |
| Enniscorthy              | 51  | 52 | 30N  | 6   | 35W  |
| Enniskillen              | 50  | 54 | 20N  | 7   | 40W  |
| Ennistimon               | 51  | 52 | 56N  | 9   | 18W  |
| Enschede                 | 52  | 52 | 13N  | 6   | 53 E |
| Ensenada                 | 106 | 31 | 50N  | 116 | 50W  |
| Entebbe                  | 93  | 0  | 4N   | 32  | 28 E |
| Entre Rios □             | 108 | 30 | 30 S | 58  | 30W  |
| Entrecasteaux, Pt. d'    | 79  | 34 | 50 S | 115 | 56 E |
| Enugu                    | 90  | 6  | 30N  | 7   | 30 E |
| Enugu Ezike              | 90  | 7  | 0N   | 7   | 29 E |
| Epe                      | 90  | 6  | 36N  | 3   | 59 E |
| Epemay                   | 56  | 49 | 3N   | 3   | 56 E |
| Epinal                   | 56  | 48 | 19N  | 6   | 27 E |
| Epping                   | 41  | 51 | 42N  | 0   | 8 E  |
| Eppyt, Mynydd            | 42  | 52 | 07N  | 3   | 30W  |
| Epsom                    | 41  | 51 | 19N  | 0   | 16W  |
| Epworth                  | 44  | 53 | 30N  | 0   | 50W  |
| Equatorial Guinea ■      | 88  | 2  | 0N   | 28  | 0 E  |
| Erebus, Mt.              | 112 | 77 | 13 S | 167 | 0 E  |
| Eregli                   | 71  | 41 | 15N  | 31  | 30 E |
| Erfurt                   | 54  | 50 | 58N  | 11  | 2 E  |
| Erg Chech, dist.         | 88  | 50 | 59N  | 11  | 0 E  |
| Eriboll, L.              | 48  | 58 | 28N  | 4   | 41W  |
| Ericht, L.               | 48  | 56 | 50N  | 4   | 25W  |
| Erie                     | 104 | 42 | 10N  | 80  | 7W   |
| Erie, L.                 | 104 | 42 | 15N  | 81  | 0W   |
| Eriskay, I.              | 49  | 57 | 4N   | 7   | 18W  |
| Eritrea □                | 89  | 14 | 0N   | 41  | 0 E  |
| Ermeio                   | 94  | 26 | 31 S | 29  | 59 E |
| Erne, Lough              | 50  | 54 | 26N  | 7   | 46W  |
| Errigal, Mt.             | 50  | 55 | 2N   | 8   | 8W   |
| Errol                    | 47  | 56 | 24N  | 3   | 13W  |
| Erg Gebirge, mts.        | 54  | 50 | 25N  | 1   | 0 E  |
| Erzincan                 | 71  | 39 | 46N  | 39  | 30 E |
| Erzurum                  | 61  | 39 | 57N  | 41  | 15 E |
| Esbjerg                  | 71  | 55 | 58N  | 8   | 29 E |
| Esch                     | 52  | 51 | 37N  | 5   | 17 E |
| Eschweiler               | 50  | 52 | 49N  | 6   | 14 E |
| Escravos, R.             | 90  | 5  | 30N  | 5   | 10 E |
| Escuinapa                | 106 | 22 | 50N  | 105 | 50W  |
| Esfahan □                | 71  | 33 | 0N   | 53  | 0 E  |
| Esh Winning              | 44  | 54 | 47N  | 1   | 42W  |
| Esher                    | 41  | 51 | 21N  | 0   | 22W  |
| Eshowe                   | 94  | 28 | 50 S | 31  | 30 E |
| Esk, R., Dumfries, U.K.  | 44  | 54 | 58N  | 3   | 4W   |
| Esk, R., N. Yorks., U.K. | 44  | 54 | 27N  | 0   | 36W  |
| Eskbank                  | 47  | 55 | 52N  | 3   | 04W  |
| Eskilstuna               | 61  | 59 | 22N  | 16  | 32 E |
| Eskişehir                | 71  | 39 | 50N  | 30  | 35 E |
| Essence                  | 78  | 33 | 45 S | 121 | 55 E |
| Essequibo, R.            | 52  | 51 | 28N  | 6   | 59 E |
| Essex □                  | 107 | 5  | 45N  | 58  | 50W  |
| Estcourt                 | 40  | 51 | 48N  | 0   | 30 E |
| Eston                    | 94  | 28 | 58 S | 29  | 53 E |
| Estonian S.S.R. □        | 44  | 54 | 33N  | 1   | 6W   |
| Estréla, Serra da        | 61  | 48 | 30N  | 25  | 30 E |
| Estremadura              | 60  | 40 | 10N  | 7   | 45W  |
| Etampes                  | 60  | 39 | 0N   | 9   | 0W   |
| Eth                      | 56  | 48 | 26N  | 2   | 10 E |
| Eth                      | 90  | 7  | 2N   | 7   | 28 E |
| Ethiopia ■               | 89  | 8  | 0N   | 40  | 0 E  |
| Ethiopian Highlands      | 89  | 10 | 0N   | 37  | 0 E  |
| Etive, L.                | 48  | 56 | 30N  | 5   | 12W  |
| Etna, Mt.                | 58  | 37 | 45N  | 15  | 0 E  |
| Etiashapan               | 92  | 18 | 40 S | 16  | 30 E |
| Etttrick                 | 46  | 55 | 31N  | 2   | 55W  |
| Euclid                   | 101 | 41 | 32N  | 81  | 31W  |
| Eugene                   | 105 | 44 | 0N   | 123 | 8W   |
| Euphrates, R.            | 52  | 50 | 37N  | 6   | 3 E  |
| Eureka                   | 71  | 31 | 0N   | 47  | 25 E |
| Europa Pt.               | 105 | 40 | 50N  | 124 | 0W   |
| Europe                   | 60  | 36 | 2N   | 6   | 32W  |
| Euskirchen               | 24  | 20 | 0N   | 20  | 0 E  |
| Euxton                   | 52  | 50 | 40N  | 6   | 45 E |
| Evanston                 | 45  | 53 | 41N  | 2   | 42W  |
| Evansville               | 104 | 42 | 0N   | 87  | 40W  |
| Evanton                  | 101 | 38 | 0N   | 87  | 35W  |
| Everard Ras.             | 48  | 57 | 40N  | 4   | 20W  |
| Everest, Mt.             | 78  | 27 | 5 S  | 132 | 28 E |
| Everett                  | 70  | 28 | 5N   | 86  | 58 E |
| Everglades               | 105 | 48 | 0N   | 122 | 10W  |
| Evora                    | 101 | 26 | 0N   | 80  | 30W  |
| Evreux                   | 60  | 38 | 33N  | 7   | 57W  |
| Ewe, L.                  | 56  | 49 | 0N   | 1   | 5 E  |
| Exeter                   | 48  | 57 | 49N  | 5   | 38W  |
| Exmoor                   | 41  | 51 | 20N  | 0   | 15W  |
| Exmouth, Austral.        | 41  | 50 | 38N  | 3   | 27W  |
| Exmouth, U.K.            | 43  | 50 | 43N  | 3   | 31W  |
| Exmouth G.               | 42  | 51 | 10N  | 3   | 59W  |
| Expedition Range         | 78  | 22 | 6 S  | 114 | 0 E  |
|                          | 43  | 50 | 37N  | 3   | 26W  |
|                          | 78  | 22 | 15 S | 114 | 15 E |
|                          | 79  | 24 | 30 S | 149 | 12 E |

Eyam  
 Eye, Camb., U.K.  
 Eye, Suff., U.K.  
 Eye Pen.  
 Eyemouth  
 Eyre  
 Eyre, L.  
 Eyre Mts.  
 Eyre Pen.

## F

Fabriano  
 Faenza  
 Fagam  
 Fahūd  
 Failsworth  
 Fairbanks  
 Fairlie, N.Z.  
 Fairlie, U.K.  
 Fairmont  
 Faizabad, Afghan.  
 Faizabad, India  
 Fakenham  
 Falkirk  
 Falkland  
 Falkland Is.  
 Falkland Is. Dep.  
 Fall River  
 Falmouth  
 False B.  
 Falun  
 Fannich, L.  
 \* Fanning I.  
 Fano  
 Farāfra Oasis  
 Farah  
 Faraid, Gebel  
 Farasan Is.  
 Fareham  
 Farwell, C., Greenl.  
 Farwell, C., N.Z.  
 Fargo  
 Faribault  
 Faringdon  
 Farmington  
 Farnborough  
 Farnham  
 Farnworth  
 Faro  
 Faroe Is.  
 Fasā  
 Fastov  
 Fatshan  
 Fauldhouse  
 Faversham  
 Fawley  
 Fayetteville  
 Fazeley  
 Featherston  
 Featherstone  
 Fehmarn  
 Fehmarn Belt  
 Feilding  
 Feldkirch  
 Felixstowe  
 Felling  
 Feltham  
 Fénér  
 † Fénérive  
 Fengkieh (Kweichow)  
 Fens, The  
 Fenyang  
 Feolin Ferry  
 Ferbane  
 Fergana  
 Fergus, R.  
 Fermanagh □  
 Fermoy  
 Fernando de Noronha, I.  
 Feriale  
 Ferns  
 Ferozepore  
 Ferrara  
 Ferret, C.  
 Ferrol  
 Ferrybridge  
 Ferryhill  
 Fēs  
 Fethard  
 Fethlar, I.  
 Fettercairn  
 Ffestiniog  
 Fianarantsoa  
 Fichtelgebirge  
 Fiditi  
 Fife □  
 Fife Ness  
 Figueras  
 Fiji ■  
 Filey  
 Findhorn  
 Findhorn, R.  
 Finglas  
 Finisterre, C.  
 Finland ■  
 Finland, G. of  
 Finlay, R.  
 Fintona  
 Fionnphort  
 Fishguard  
 Fitzroy Crossing  
 Fitzroy, R.  
 Flagstaff  
 Flamborough Hd.  
 Flanders  
 Flandre Occidentale □  
 Flandre Orientale □  
 Flattery, C.  
 Flèche, La  
 Fleet  
 Fleetwood



French Guiana ■  
 Frenchpark  
 Fresno  
 Fresno  
 Freuchie  
 Friebourg  
 Friedrichshafen  
 Friendly, Is. = Tonga  
 Friesland □  
 Frimley  
 Frinton-on-Sea  
 Frio, C., Brazil  
 Frio, C., Namibia  
 Frisian Is.  
 Friuli-Venezia Giulia □  
 Frobisher B.  
 Frodsham  
 Frome  
 Frome, R.  
 Front Range  
 Frosinone  
 Forward C.  
 Frunze  
 Fuchow  
 Fuente Ovejuna  
 Fuerte, R.  
 Fuji-no-miya  
 Fuji-San  
 Fujisawa  
 Fukien □  
 Fukui  
 Fukuoka  
 Fukushima  
 Fukuyama  
 Fulda  
 Fulda, R.  
 Fulwood  
 Fundy, B. of  
 Furneaux Group  
 Firth  
 Fushun  
 Fusin  
 Fuwa  
 Fuyū  
 Fuyuan  
 Fyde  
 Fyn  
 Fyne, L.  
 Fyvie

## G

Gaanda  
 Gabés  
 Gabon ■  
 Gaborone  
 Gada  
 Gadsden  
 Gaeta  
 Gagnon  
 Gainesville  
 Gainsborough  
 Gairdner L.  
 Gairloch  
 Galapagos Is.  
 Galashiels  
 Galati  
 Galatina  
 Galatpiggen  
 Galeana  
 Galicia, Poland  
 Galicia, Spain  
 Galilee, Sea of  
 Galle  
 Galley Hd.  
 Gallinas, Pta.  
 Gallipoli  
 Gällivare  
 Galloway  
 Galloway, Mull of  
 Gallup  
 Galty Mts.  
 Galtymore  
 Galula  
 Galveston  
 Galway  
 Galway Bay  
 Galway B.  
 Gamawa  
 Gambia ■  
 Gamtoos  
 Gander  
 Gandi  
 Ganga, R.  
 Ganganagar  
 Ganges = Ganga, R.  
 Gangtok  
 Gannett Pk.  
 Gara, L.  
 Garda, L.  
 Garden City  
 Gare, L.  
 Garelochhead  
 Garforth  
 Gargans, Mt.  
 Garies  
 Garissa  
 Garko  
 Garnock, R.  
 Garonne, R.  
 Garoua  
 Garry, L.  
 Garstang  
 Garston  
 Garvagh  
 Garvie Mts.  
 Gary  
 Gascony  
 Gascoyne, R.  
 Gashaka

108 4 0N 53 0W  
 50 53 53N 8 25W  
 106 23 10N 103 0W  
 105 36 47N 119 50W  
 47 56 14N 3 8W  
 54 46 49N 7 9E  
 54 47 39N 9 29E  
 22 19 50S 174 30W  
 52 53 5N 5 50E  
 41 51 18N 0 43W  
 40 51 50N 1 16E  
 108 22 50S 41 50W  
 92 18 0S 12 0E  
 54 53 30N 6 0E  
 58 46 0N 13 0E  
 99 63 0N 67 0W  
 45 53 18N 2 44W  
 42 51 16N 2 17W  
 43 50 44N 2 5W  
 100 40 0N 105 40W  
 58 41 38N 13 20E  
 100 55 0S 71 0W  
 71 42 54N 74 36E  
 73 27 50N 116 14E  
 60 38 15N 5 25W  
 106 26 0N 109 0W  
 76 35 20N 138 40E  
 76 35 22N 138 44E  
 76 35 22N 139 29E  
 73 26 0N 117 30E  
 76 36 0N 136 10E  
 76 33 30N 130 30E  
 76 37 30N 140 15E  
 76 34 35N 133 20E  
 54 50 32N 9 41E  
 54 50 37N 9 30W  
 45 53 21N 1 34W  
 99 45 0N 66 0W  
 79 40 10S 147 50E  
 54 49 29N 11 0E  
 73 41 50N 123 55E  
 73 42 12N 121 33E  
 91 31 12N 30 33E  
 73 45 10N 124 50E  
 73 48 9N 134 3E  
 44 53 50N 2 58W  
 61 55 20N 10 30E  
 46 56 0N 5 20W  
 48 57 26N 2 24W

90 10 10N 12 27E  
 88 33 53N 13 2E  
 88 0 10S 10 0E  
 94 24 37S 25 57E  
 90 13 38N 5 36E  
 101 34 1N 86 0W  
 58 41 12N 13 35E  
 99 51 50N 68 50W  
 101 29 38N 82 20W  
 44 53 23N 0 46W  
 79 31 30S 136 0E  
 48 57 42N 5 40W  
 108 0 0 89 0W  
 46 55 37N 2 50W  
 55 45 27N 28 2E  
 58 40 10N 18 10E  
 61 61 38N 8 18E  
 106 24 50N 100 4W  
 101 40 57N 90 23W  
 55 49 30N 23 0E  
 60 42 43N 8 0W  
 89 32 53N 35 18E  
 70 6 5N 80 10E  
 51 51 32N 8 56W  
 107 12 28N 71 40W  
 58 40 8N 18 0E  
 61 67 9N 20 40E  
 46 55 0N 4 25W  
 46 54 38N 4 50W  
 100 35 30N 108 54W  
 51 52 22N 8 10W  
 51 52 22N 8 12W  
 93 8 40S 33 0E  
 81 29 15N 94 48W  
 51 53 16N 9 4W  
 51 53 16N 9 3W  
 51 53 10N 9 20W  
 90 12 10N 10 31E  
 88 13 25N 16 0W  
 94 33 52S 24 55E  
 99 48 58N 54 35W  
 102 15 5N 5 49E  
 70 25 0N 88 0E  
 70 29 56N 73 56E  
 70 25 0N 88 0E  
 70 27 20N 88 37E  
 100 43 15N 109 47W  
 50 53 57N 8 26W  
 58 45 40N 10 40E  
 100 38 0N 100 45W  
 47 56 1N 4 50W  
 46 56 7N 4 50W  
 45 53 48N 1 22W  
 58 45 37N 1 39E  
 94 30 32N 17 59E  
 93 0 25S 39 40E  
 101 11 45N 8 53E  
 47 55 36N 4 42W  
 56 45 2N 0 36W  
 90 9 19N 13 21E  
 48 57 5N 4 52W  
 45 53 53N 2 47W  
 45 53 21N 2 55W  
 50 55 0N 6 41W  
 83 45 30S 168 50E  
 104 41 35N 87 20W  
 56 45 45N 0 20E  
 78 24 52S 113 37E  
 90 7 20N 11 29E

Gashua  
 Gaspé Pen.  
 Gata, C. de  
 Gata, Sierra de  
 Gatehouse of Fleet  
 Gateshead  
 Gatley  
 Gävle  
 Gawler  
 Gaya  
 Gayndah  
 Gaza  
 Gaziantep  
 Gboko  
 Gbongan  
 Gdansk  
 Gdansk □  
 Gdynia  
 Gebe, I.  
 Gedser  
 Geel  
 Geelong  
 Geelvink B.  
 Gela  
 Gelderland □  
 Geleen  
 Gelligaer  
 Gelsenkirchen  
 Gembloux  
 Geneina, Gebel  
 Geneva  
 Geneva, L.  
 Genk  
 Genoa  
 Genoa, G. of  
 Gent  
 Geographie Chan.  
 George  
 George Town  
 George V Coast  
 Georgetown  
 Georgia, Str. of  
 Georgian B.  
 Georgian S.S.R. □  
 Gera  
 Geraldton  
 Germany, East ■  
 Germiston  
 Geron  
 Gerrards Cross  
 Gevelsberg  
 Ghadames  
 Ghana ■  
 Ghard Abu Muharik  
 Ghot Ogrein  
 Giant's Causeway  
 Giarre  
 Gibeon  
 Gibraltar  
 Gibraltar, Str. of  
 Gibson Des.  
 Gien  
 Giessen  
 Gifatin, Geziret  
 Gifu  
 Gigha, I.  
 Gijón  
 Gila, R.  
 Gilbedi  
 Gilbert Is.  
 Gilbert, R.  
 Gifl Kebir Plat.  
 Gilfach Goch  
 Gilford  
 Gilgandra  
 Gilgil  
 Gill, L.  
 Gillingham  
 Gilly  
 Ginowan  
 Gipsland  
 Girardot  
 Girma  
 Gironde, R.  
 Girvan  
 Gisborne  
 Gitega (Kitega)  
 Giurgiu  
 Gizeh  
 Gizehko  
 Glace Bay  
 Glacier National Park  
 Glacier Peak  
 Glanaman  
 Glas Maol  
 Glasgow  
 Glastonbury  
 Glauchau  
 Gleadless Townend  
 Glen Affric  
 Glen Innes  
 Glen Parva  
 Glen Shiel  
 Glenarm  
 Glencairn  
 Glencoe  
 Glendale  
 Glendive  
 Glenfarg  
 Glenfield  
 Glenfarg  
 Glenferris  
 Glenluce  
 Glenorchy  
 Glenridding  
 Glenties  
 Glin  
 Gliwice  
 Globe  
 Glogów  
 Glossop  
 Gloucester  
 Gloucestershire □  
 Glyncorrwg

90 12 54N 11 0E  
 99 48 45N 65 40W  
 60 36 41N 2 13W  
 60 40 20N 6 20W  
 46 54 53N 4 10W  
 44 54 57N 1 37W  
 45 53 25N 2 15W  
 61 60 40N 17 9E  
 79 34 30S 138 42E  
 70 24 47N 85 4E  
 79 25 35S 151 39E  
 89 31 30N 34 28E  
 71 37 60N 37 23E  
 90 7 17N 9 4E  
 90 7 28N 4 20E  
 55 54 22N 18 40E  
 55 54 10N 18 30E  
 55 54 35N 18 33E  
 72 0 5N 129 25E  
 52 51 10N 4 59E  
 79 38 10S 144 22E  
 72 3 0S 135 20E  
 58 37 6N 14 18E  
 52 52 5N 6 10E  
 52 50 57N 5 49E  
 43 51 40N 3 15W  
 52 51 30N 7 5E  
 52 50 34N 4 43E  
 91 29 2N 33 55E  
 54 46 12N 6 9E  
 54 46 26N 6 30E  
 52 50 58N 5 32E  
 58 44 24N 8 57E  
 58 44 0N 9 0E  
 52 51 2N 3 37E  
 78 24 30S 113 0E  
 94 33 58S 22 29E  
 72 5 25N 100 19E  
 112 67 0S 148 0E  
 107 6 50N 58 12W  
 105 49 25N 124 0W  
 99 45 15N 81 0W  
 71 41 0N 45 0E  
 54 50 53N 12 5E  
 78 28 48S 114 32E  
 54 52 0N 12 0E  
 94 26 11S 28 10E  
 60 41 58N 2 46E  
 41 51 35N 0 32W  
 52 51 21N 7 7E  
 88 30 11N 9 29E  
 88 6 0N 1 0W  
 91 26 50N 30 0E  
 91 31 10N 25 20E  
 50 55 15N 6 30W  
 58 37 44N 15 10E  
 94 25 7S 17 45E  
 60 36 7N 5 22W  
 60 35 55N 5 40W  
 78 24 0S 126 0E  
 56 47 40N 2 36E  
 54 50 34N 8 40E  
 91 27 10N 33 50E  
 76 35 30N 136 45E  
 46 55 42N 5 45W  
 60 43 32N 5 42W  
 100 32 43N 114 33W  
 90 13 40N 5 45E  
 23 1 0S 176 0E  
 79 35 35S 141 15E  
 91 23 0N 26 0E  
 43 51 36N 3 29W  
 50 54 23N 6 20W  
 79 31 43S 148 39E  
 93 0 30S 36 20E  
 50 54 15N 8 25W  
 51 51 23N 0 34E  
 52 50 25N 4 30E  
 76 26 15N 127 47E  
 79 37 45S 147 15E  
 107 4 18N 74 48W  
 91 26 17N 31 55E  
 56 45 27N 0 53W  
 46 55 15N 4 50W  
 83 38 39S 178 5E  
 93 3 26S 29 36E  
 55 43 52N 25 57E  
 62 62 0N 150 27E  
 55 54 2N 21 48E  
 99 46 11N 59 58W  
 100 48 35N 113 40W  
 105 48 7N 121 7W  
 43 51 48N 3 56W  
 48 56 52N 3 20W  
 47 55 52N 4 14W  
 42 51 9N 2 42W  
 54 50 50N 12 33E  
 45 53 20N 1 24W  
 48 57 15N 5 0W  
 79 29 40S 151 39E  
 41 52 34N 1 07W  
 48 57 8N 5 20W  
 50 54 58N 5 58W  
 94 34 11S 18 26E  
 94 28 11S 30 11E  
 105 34 7N 118 18W  
 100 47 7N 104 40W  
 47 56 16N 3 24W  
 41 52 38N 1 12W  
 48 56 52N 5 28W  
 46 54 53N 4 50W  
 79 42 49S 147 18E  
 44 54 32N 2 57W  
 50 54 48N 8 18W  
 51 52 34N 9 17W  
 55 50 22N 18 41E  
 100 33 25N 110 53W  
 54 51 37N 16 5E  
 45 53 27N 1 56W  
 43 51 52N 2 15W  
 42 51 44N 2 10W  
 43 51 40N 3 39W

Gmünd  
 Gmunden  
 Gmüez  
 Gnowangerup  
 Goa  
 Goat Fell  
 Gobi, desert  
 Goch  
 Godalming  
 Godavari, R.  
 Godmanchester  
 Godstone  
 Godthåb  
 Godwin Austen (K2)  
 Goeree  
 Goiania  
 Goiborne  
 Golden Bay  
 Golden Gate  
 Golden Hind, mt.  
 Golden Vale  
 Goldsworthy  
 Goldthorpe  
 Goleniów  
 Golspie  
 Gombé  
 Gornel  
 Gomersal  
 Gómez Palacio  
 Gonaives, Gulf of  
 Gongola □  
 Good Hope, C. of  
 Goole  
 Goondwindi  
 Goose Bay  
 Goose L.  
 Gorakhpur  
 Gordon Downs  
 Gore  
 Gorebridge  
 Goring, Oxon, U.K.  
 Goring, W. Sussex, U.K.  
 Gorizia  
 Gorki  
 Gorodok  
 Gorseinon  
 Gort  
 Gorumna I.  
 Gosforth  
 Gospić  
 Gota Canal  
 Göteborg  
 Gotha  
 Gotland  
 Göttingen  
 Gottwaldov (Zlin)  
 Gouda  
 Gouin Rés.  
 Goulburn  
 Gourcock  
 Govan  
 Gower, The  
 Gowrie, Carse of  
 Gozo, I.  
 Gračac  
 Grado  
 Graff-Reinet  
 Grafton  
 Graham Land  
 Grahamstown  
 Gragnuamanagh  
 Grampian □  
 Grampian Mts.  
 Gran Chaco  
 Gran Paradiso  
 Gran Sasso d'Italia, Mt.  
 Granada  
 Granard  
 Grand Bahama I.  
 Grand Canyon National Park  
 Grand Cayman  
 Grand Cess  
 Grand Falls  
 Grand Forks  
 Grand Island  
 Grand Junction  
 Grand Rapids, Can.  
 Grand Rapids, U.S.A.  
 Grand Teton  
 Grande Prairie  
 Grange, La, Austral.  
 Grange, La, U.S.A.  
 Grange-over-Sands  
 Grangemouth  
 Grangeville  
 Granity  
 Granollers  
 Grantham  
 Grantown-on-Spey  
 Grants  
 Grants Pass  
 Grappenhall  
 Graskop  
 Grasmere  
 Grasse  
 Grassington  
 Gravesend  
 Grays Harbor  
 Grays-Thurrock  
 Graz  
 Greasbrough  
 Greasby  
 Great Abaco I.  
 Great Australian Bight  
 Great Baddow  
 Great Barrier I.  
 Great Barrier Reef  
 Great Basin  
 Great Bear L.  
 Great Belt  
 Great Bend

54 48 45N 15 0E  
 54 47 55N 13 48E  
 55 52 30N 17 35E  
 78 33 58S 117 59E  
 70 15 33N 73 59E  
 46 55 37N 5 11W  
 73 44 0N 111 0E  
 52 51 40N 6 9E  
 40 51 12N 0 37W  
 70 19 5N 79 0E  
 40 52 19N 0 11W  
 41 51 15N 0 3W  
 96 64 10N 51 46W  
 70 36 0N 77 0E  
 52 51 50N 4 0E  
 45 53 28N 2 36W  
 83 40 40S 172 50E  
 105 37 54N 122 30W  
 105 49 40N 125 44W  
 51 52 33N 8 17W  
 78 20 21S 119 30E  
 45 53 21N 1 19W  
 54 53 35N 14 50E  
 48 57 58N 3 58W  
 90 10 19N 11 2E  
 62 52 28N 31 0E  
 45 53 46N 1 49W  
 106 25 40N 104 40W  
 107 19 29N 72 42W  
 90 8 0N 12 0E  
 94 34 24S 18 30E  
 44 53 42N 0 52W  
 79 28 30S 150 21E  
 99 53 15N 60 20W  
 105 42 0N 120 30W  
 70 26 47N 83 32E  
 78 18 48S 128 40E  
 83 46 5S 168 58E  
 47 55 51N 3 2W  
 51 52 41N 6 18W  
 40 51 31N 1 8W  
 40 50 49N 0 26W  
 58 45 56N 13 37E  
 62 56 20N 44 0E  
 55 49 46N 23 32E  
 43 51 40N 4 2W  
 51 53 4N 8 50W  
 51 53 15N 9 44W  
 44 55 00N 1 37W  
 58 44 35N 15 23E  
 61 58 35N 14 15E  
 61 57 43N 11 59E  
 54 50 56N 10 42E  
 61 57 30N 18 30E  
 54 51 31N 9 55E  
 55 49 46N 17 40E  
 52 52 1N 4 42E  
 99 48 35N 74 40W  
 79 34 44S 149 44E  
 47 55 58N 4 49W  
 47 55 51N 4 19W  
 42 51 35N 4 10W  
 47 57 30N 4 35W  
 58 36 0N 14 13E  
 58 44 18N 15 57E  
 60 43 23N 6 4W  
 94 32 15S 24 30E  
 79 29 38S 152 58E  
 112 65 0S 64 0W  
 94 33 19S 26 11E  
 51 52 32N 6 58W  
 48 57 0N 0 0W  
 48 56 50N 4 0W  
 108 25 0S 61 0W  
 58 45 33N 7 17E  
 58 42 25N 13 30E  
 60 37 10N 3 35W  
 50 53 47N 7 30W  
 107 26 40N 78 30W  
 100 36 15N 112 20W  
 107 19 20N 81 20W  
 88 4 40N 8 12W  
 99 48 56N 55 40W  
 101 48 0N 97 3W  
 100 40 59N 98 25W  
 100 39 0N 108 30W  
 98 53 27N 12 59W  
 104 42 57N 85 40W  
 100 43 54N 111 57W  
 98 55 10N 118 50W  
 78 18 45S 121 43E  
 101 33 4N 85 0W  
 44 54 12N 2 55W  
 47 56 1N 3 43W  
 100 45 57N 116 4W  
 83 41 39S 171 51E  
 60 41 39N 2 18E  
 45 52 55N 0 39W  
 48 57 19N 3 36W  
 100 35 14N 107 57W  
 105 42 30N 123 22W  
 45 53 22N 2 34W  
 94 24 56S 30 49E  
 54 54 28N 3 2W  
 56 43 38N 6 56E  
 44 54 5N 2 0W  
 41 51 25N 0 22E  
 100 46 55N 124 8W  
 41 51 28N 0 23E  
 54 47 4N 15 27E  
 45 53 27N 1 22W  
 45 53 24N 3 04W  
 107 26 15N 77 10W  
 78 33 30S 130 0E  
 41 51 43N 0 31E  
 83 36 11S 175 25E  
 79 19 0S 149 0E  
 100 40 0N 116 30W  
 98 65 30N 120 0W  
 61 55 20N 11 0E  
 100 38 25N 98 55W

Great Bernera, I.  
 Great Britain  
 Great Bushman Land  
 Great Chesterford  
 Great Cumbrae I.  
 Great Divide  
 Great Dunmow  
 Great Falls  
 Great Fish R.  
 Great Harwood  
 Gt. Karas Mts.  
 Gt. Karoo, reg.  
 Great Kei, R.  
 Great Malvern  
 Great Missenden  
 Gt. Ouse, R.  
 Gt. Bernard P.  
 Great Salt Lake  
 Great Salt Lake Desert  
 Great Sandy Desert  
 Great Sankey  
 Great Shelford  
 Great Slave L.  
 Great Torrington  
 Gt. Victoria Des.  
 Great Wall  
 Gt. Winterberg, mt.  
 Great Winterhoek, mt.  
 Great Wyrley  
 Great Yarmouth  
 Greater Antilles  
 Greater London □  
 Greater Manchester □  
 Greater Sunda Is.  
 Greatham  
 Gredos, Sierra de  
 Greece ■  
 Greeley  
 Green Bay  
 Green Island  
 Greenfield  
 Greenland  
 Greenland Sea  
 Greenlaw  
 Greenock  
 Greonore  
 Greensboro  
 Greenville, Miss., U.S.A.  
 Greenville, S.C., U.S.A.  
 Greenville, Tex., U.S.A.  
 Greenwich  
 Greenwood  
 Gregory, L.  
 Gregory, R.  
 Grenada ■  
 Grenoble  
 Gretna  
 Grevenbroich  
 Grey, R.  
 Grey Range  
 Greyabbey  
 Greymouth  
 Greystones  
 Greytown, N.Z.  
 Greytown, S. Afr.  
 Griekwastad  
 Griffith  
 Griffithstown  
 Grimethorpe  
 Grimsby  
 Grianall East  
 Grianall West  
 Gris-Nez, C.  
 Groblersdal  
 Grodno  
 Gronau  
 Groningen  
 Groningen □  
 Groot-Brakrivier  
 Groot-Vloer  
 Groote Eylandt  
 Grootfontein  
 Groot Glockner  
 Grossenbrode  
 Grossenhain  
 Groznyy  
 Grudziądz  
 Grunard B.  
 Grunard B.  
 Gruness  
 Guadalajara  
 Guadalcanal, I.  
 Guadalhorc, R.  
 Guadalquivir, R.  
 Guadalupe  
 Guadarrama, Sierra de  
 Guadalupe, I.  
 Guadiana, R.  
 Guadix  
 Guam I.  
 Guamuchil  
 Guanajuato  
 Guanare  
 Guantánamo  
 Guaporé, R.  
 Guardar  
 Guardafui, C.  
 Guatemala  
 Guatemala ■  
 Guaviare, R.  
 Guayaquil  
 Guaymas  
 Guetcho  
 Guernsey I.  
 Guider  
 Guildford  
 Guinea ■  
 Guinea Bissau ■  
 Guinea, Gulf of  
 Guinea, Port.  
 Guiseley  
 Gujarat □

48 58 15N 6 50W  
 24 54 0N 2 15W  
 94 29 20S 19 20E  
 40 52 40N 0 11E  
 47 55 46N 4 57W  
 79 23 0S 146 2E  
 40 51 52N 2 1W  
 92 33 28S 11 12W  
 45 53 47N 2 25W  
 94 27 10S 18 45E  
 94 32 30S 23 0E  
 94 32 15S 27 45E  
 42 52 7N 2 19W  
 41 51 42N 0 42W  
 40 52 20N 0 8E  
 58 45 50N 7 10E  
 100 41 0N 112 30W  
 100 40 20N 113 50W  
 78 21 0S 124 0E  
 45 53 23N 2 37W  
 40 52 9N 0 9E  
 98 61 23N 115 38W  
 43 50 57N 4 9W  
 78 29 30S 126 30E  
 73 38 30N 109 30E  
 94 32 20S 26 20E  
 94 33 07S 19 10E  
 41 52 40N 2 1W  
 40 52 40N 2 1W  
 107 17 40N 74 0W  
 40 51 31N 0 6W  
 44 53 30N 2 15W  
 72 2 30S 110 0E  
 44 54 38N 1 14W  
 60 40 20N 5 0W  
 23 40 0N 23 0E  
 100 40 30N 104 40W  
 104 44 30N 88 0W  
 83 45 55S 170 26E  
 45 53 32N 2 01W  
 96 66 0N 45 0W  
 96 73 0N 10 0W  
 46 55 42N 2 28W  
 47 55 57N 4 46W  
 50 54 2N 6 8W  
 101 36 7N 79 46W  
 101 33 25N 91 0W  
 101 34 54N 82 24W



# Gujranwala

|              |     |    |     |     |      |
|--------------|-----|----|-----|-----|------|
| Gujranwala   | 71  | 32 | 10N | 74  | 12 E |
| Gulbarga     | 70  | 17 | 20N | 76  | 50 E |
| Gulfport     | 101 | 30 | 28N | 89  | 3W   |
| Gulu         | 93  | 2  | 48N | 32  | 17 E |
| Gummersbach  | 52  | 51 | 2N  | 7   | 32 E |
| Gummi        | 90  | 12 | 4N  | 5   | 9 E  |
| Gunnedah     | 79  | 30 | 59S | 150 | 15 E |
| Gunnislake   | 43  | 50 | 32S | 4   | 12W  |
| Guryev       | 62  | 47 | 5N  | 52  | 0 E  |
| Gusau        | 90  | 12 | 18N | 6   | 31 E |
| Güstrow      | 54  | 53 | 47N | 12  | 12 E |
| Guthrie      | 100 | 35 | 55N | 97  | 30W  |
| Guyana       | 107 | 5  | 0N  | 59  | 0W   |
| Guyenne      | 56  | 44 | 30N | 0   | 40 E |
| Gwadalupaw   | 90  | 13 | 20N | 5   | 15 E |
| Gwailior     | 90  | 26 | 12N | 78  | 10 E |
| Gwanda       | 92  | 20 | 55S | 29  | 0 E  |
| Gwaram       | 90  | 11 | 15N | 9   | 51 E |
| Gwarzo       | 90  | 12 | 20N | 8   | 55 E |
| Gwasoro      | 90  | 9  | 30N | 8   | 30 E |
| Gweebarra B. | 50  | 54 | 52N | 8   | 21W  |
| *Gwelo       | 92  | 19 | 28S | 29  | 45 E |
| Gwent        | 42  | 51 | 45N | 2   | 55W  |
| Gwynedd      | 42  | 53 | 0N  | 4   | 0W   |
| Gympie       | 79  | 26 | 11S | 152 | 38 E |
| Gyoda        | 76  | 36 | 10N | 139 | 30 E |
| Győr         | 55  | 47 | 41N | 17  | 40 E |
| Gypsumville  | 98  | 51 | 45N | 98  | 40W  |
| Gyula        | 55  | 46 | 38N | 21  | 17 E |

# H

|                    |     |    |     |     |      |
|--------------------|-----|----|-----|-----|------|
| Ha Tinh            | 72  | 18 | 20N | 105 | 54 E |
| Haarlem            | 52  | 52 | 23N | 4   | 39 E |
| Hachinohe          | 76  | 40 | 30N | 141 | 29 E |
| Hackney            | 41  | 51 | 33N | 0   | 2W   |
| Hadarba, Ras       | 91  | 22 | 4N  | 36  | 51 E |
| Haddenham          | 41  | 51 | 46N | 0   | 56W  |
| Haddington         | 46  | 55 | 57N | 2   | 48W  |
| Hadeija            | 90  | 12 | 30N | 10  | 5 E  |
| Hadfield           | 45  | 53 | 28N | 1   | 58W  |
| Hadrhamaout        | 71  | 15 | 30N | 49  | 30 E |
| Hadiya             | 71  | 25 | 30N | 36  | 56 E |
| Hadleigh           | 41  | 52 | 3N  | 0   | 58 E |
| Haebu              | 73  | 38 | 3N  | 125 | 45 E |
| Hagen              | 52  | 51 | 21N | 7   | 29 E |
| Hagi               | 76  | 34 | 30N | 131 | 30 E |
| Hague, C. de la    | 56  | 49 | 44N | 1   | 56W  |
| Hague, The         | 52  | 52 | 7N  | 4   | 17 E |
| Haifa              | 89  | 32 | 46N | 35  | 0 E  |
| Haikow             | 73  | 20 | 0N  | 110 | 20 E |
| Hä'il              | 71  | 27 | 28N | 42  | 2 E  |
| Hailar             | 73  | 49 | 12N | 119 | 37 E |
| Hailey             | 100 | 43 | 30N | 114 | 15W  |
| Hailsham           | 40  | 50 | 52N | 0   | 17 E |
| Hailun             | 73  | 47 | 24N | 127 | 0 E  |
| Hailuung           | 73  | 42 | 30N | 125 | 40 E |
| Hainan, I.         | 72  | 19 | 0N  | 110 | 0 E  |
| Hainaut □          | 52  | 50 | 30N | 4   | 0 E  |
| Haiphong           | 72  | 20 | 47N | 106 | 35 E |
| Haiti ■            | 107 | 19 | 0N  | 72  | 30W  |
| Hakodate           | 76  | 41 | 45N | 140 | 44 E |
| Halberstadt        | 54  | 51 | 53N | 11  | 2 E  |
| Halcombe           | 83  | 40 | 8S  | 175 | 30 E |
| Hale               | 45  | 52 | 24N | 2   | 21W  |
| Halesowen          | 41  | 52 | 27N | 2   | 2W   |
| Halesworth         | 40  | 52 | 21N | 1   | 30 E |
| Halewood           | 45  | 53 | 22N | 2   | 49W  |
| Halifax, Can.      | 99  | 44 | 38N | 63  | 35W  |
| Halifax, U.K.      | 45  | 53 | 43N | 1   | 51W  |
| Halifax B.         | 79  | 18 | 50S | 147 | 0 E  |
| Halkirk            | 48  | 58 | 30N | 3   | 30W  |
| Halle, Belg.       | 52  | 50 | 44N | 4   | 13 E |
| Halle, Ger.        | 54  | 51 | 29N | 12  | 0 E  |
| Halley Bay         | 112 | 75 | 31S | 26  | 36W  |
| Hall's Creek       | 78  | 16 | 16S | 127 | 46 E |
| Halmahera, I.      | 72  | 0  | 40N | 128 | 0 E  |
| Halstead           | 61  | 56 | 41N | 12  | 52 E |
| Halstead           | 40  | 51 | 59N | 0   | 39 E |
| Haltern            | 52  | 51 | 44N | 7   | 10 E |
| Haltwhistle        | 44  | 54 | 58N | 2   | 27W  |
| Hamada             | 76  | 34 | 50N | 132 | 10 E |
| Hamadán            | 71  | 34 | 52N | 48  | 32 E |
| Hamamatsu          | 76  | 34 | 45N | 137 | 45 E |
| Hamar              | 61  | 60 | 48N | 11  | 7 E  |
| Hamáta, Gebel      | 91  | 24 | 17N | 35  | 0 E  |
| Hambantota         | 70  | 6  | 10N | 81  | 10 E |
| Hambleton Hills    | 44  | 54 | 17N | 1   | 12W  |
| Hamburg            | 54  | 53 | 32N | 9   | 59 E |
| Hämeenlinna        | 61  | 61 | 0N  | 24  | 28 E |
| Hameln             | 54  | 52 | 7N  | 9   | 24 F |
| Hamersley Ra.      | 78  | 22 | 0S  | 117 | 45 E |
| Hamhung            | 73  | 40 | 0N  | 127 | 30 E |
| Hami               | 73  | 42 | 47N | 93  | 32 E |
| Hamilton, Austral. | 79  | 37 | 45S | 142 | 2 E  |
| Hamilton, Can.     | 104 | 43 | 15N | 79  | 50W  |
| Hamilton, N.Z.     | 83  | 37 | 47S | 175 | 19 E |
| Hamilton, U.K.     | 47  | 55 | 47N | 4   | 2W   |
| Hamm               | 52  | 51 | 40N | 7   | 58 E |
| Hammerfest         | 61  | 70 | 39N | 23  | 41 E |
| Hammersmith        | 41  | 51 | 30N | 0   | 15W  |
| Hammond            | 104 | 41 | 40N | 87  | 30W  |
| Hampton            | 83  | 45 | 18S | 170 | 50 E |
| Hamun-i-Mashkel    | 71  | 28 | 30N | 63  | 0 E  |
| Hanamaki           | 76  | 39 | 23N | 141 | 7 E  |
| Hanchung           | 73  | 33 | 10N | 107 | 2 E  |
| Handeni            | 93  | 5  | 25S | 38  | 2 E  |
| Hanford            | 100 | 36 | 25N | 119 | 39W  |
| Hangayn Nuruu      | 73  | 47 | 30N | 100 | 0 E  |
| Hangchow           | 73  | 30 | 12N | 120 | 1 E  |
| Hangchow Wan       | 73  | 30 | 30N | 121 | 30 E |
| Hanko              | 61  | 59 | 59N | 22  | 57 E |
| Hanku              | 73  | 39 | 16N | 117 | 50 E |
| Hanmer             | 83  | 42 | 32S | 172 | 50 E |
| Hannibal           | 101 | 39 | 42N | 91  | 22W  |
| Hanoi              | 72  | 21 | 5N  | 105 | 55 E |
| Hanover, Ger.      | 54  | 52 | 23N | 9   | 43 E |
| Hanover, S. Afr.   | 94  | 31 | 4S  | 24  | 29 E |
| Hantan             | 73  | 36 | 42N | 114 | 30 E |
| Haparanda          | 61  | 65 | 52N | 24  | 8 E  |
| Harbin             | 73  | 45 | 46N | 126 | 51 E |

\* Renamed Gweru

|                               |     |    |     |     |      |
|-------------------------------|-----|----|-----|-----|------|
| Harburg                       | 54  | 53 | 27N | 9   | 58 E |
| Hardanger Fjord, Norway       | 61  | 60 | 15N | 6   | 0 E  |
| Hardanger Fjord, Norway       | 61  | 60 | 15N | 6   | 0 E  |
| Hardap Dam                    | 92  | 24 | 32S | 17  | 50 W |
| Harding                       | 94  | 30 | 22S | 29  | 55 E |
| Harebeke                      | 52  | 50 | 52N | 3   | 20 E |
| Hari, R.                      | 72  | 1  | 10S | 101 | 50 E |
| Haringey                      | 41  | 51 | 35N | 0   | 7W   |
| Harlech                       | 42  | 52 | 52N | 4   | 7W   |
| Harleston                     | 40  | 52 | 25N | 1   | 18 E |
| Harlingen, Neth.              | 52  | 53 | 11N | 5   | 25 E |
| Harlingen, U.S.A.             | 100 | 26 | 20N | 97  | 50W  |
| Harlow                        | 41  | 51 | 47N | 0   | 9 E  |
| Harpenden                     | 40  | 51 | 48N | 0   | 20W  |
| Harrat al Uwairidh            | 91  | 26 | 50N | 38  | 0 E  |
| Harris                        | 48  | 57 | 50N | 6   | 55W  |
| Harris, S.d. of               | 48  | 57 | 44N | 7   | 6W   |
| Harrisburg                    | 104 | 40 | 18N | 76  | 52W  |
| Harrismith                    | 94  | 28 | 15S | 29  | 8 E  |
| Harrison, C.                  | 99  | 54 | 55N | 57  | 55W  |
| Harrogate                     | 44  | 53 | 59N | 1   | 32W  |
| Harrow                        | 41  | 51 | 35N | 0   | 15W  |
| Hartford                      | 104 | 41 | 47N | 72  | 41W  |
| Harthill, U.K.                | 47  | 55 | 52N | 3   | 45W  |
| Harthill, Ches., U.K.         | 45  | 53 | 05N | 2   | 45W  |
| Hartland                      | 43  | 50 | 59N | 4   | 29W  |
| Hartland Pts.                 | 43  | 51 | 2N  | 4   | 32W  |
| Hartlepool                    | 44  | 54 | 42N | 1   | 11W  |
| Harts, R.                     | 94  | 27 | 15S | 25  | 12 E |
| Hartshill                     | 41  | 51 | 32N | 1   | 31W  |
| Harwich                       | 40  | 51 | 56N | 1   | 18 E |
| Haryana                       | 70  | 29 | 0N  | 76  | 10 E |
| Harz                          | 54  | 51 | 40N | 10  | 40 E |
| Hase                          | 71  | 26 | 0N  | 49  | 0 E  |
| Haslemere                     | 40  | 51 | 5N  | 0   | 41W  |
| Haslingden                    | 45  | 53 | 43N | 2   | 20W  |
| Hasselt                       | 52  | 50 | 56N | 5   | 21 E |
| Hastings, N.Z.                | 83  | 39 | 39S | 176 | 52 E |
| Hastings, U.S.A.              | 40  | 50 | 51N | 0   | 36 E |
| Hastings, U.S.A.              | 100 | 40 | 34N | 98  | 22W  |
| Hatfield                      | 41  | 51 | 46N | 0   | 11W  |
| Hatherleigh                   | 43  | 50 | 49N | 4   | 4W   |
| Hattersage                    | 45  | 53 | 20N | 1   | 39W  |
| Hatteras, C.                  | 101 | 35 | 10N | 75  | 30W  |
| Hattiesburg                   | 101 | 31 | 20N | 89  | 20W  |
| Hatvan                        | 55  | 47 | 40N | 19  | 45 E |
| Haugesund                     | 61  | 59 | 23N | 5   | 13 E |
| Hauraki Gulf                  | 83  | 36 | 35S | 175 | 5 E  |
| Havana                        | 70  | 23 | 8N  | 82  | 22W  |
| Havant                        | 40  | 50 | 51N | 0   | 59W  |
| Havasu, L.                    | 100 | 34 | 18N | 114 | 28W  |
| Havel, R.                     | 54  | 52 | 40N | 12  | 15 E |
| Havelock                      | 83  | 41 | 17S | 173 | 48 E |
| Haverfordwest                 | 42  | 51 | 48N | 4   | 59W  |
| Haverhill                     | 40  | 52 | 6N  | 0   | 27 E |
| Havering                      | 41  | 51 | 33N | 0   | 20 E |
| Havre                         | 100 | 48 | 40N | 109 | 34W  |
| Havre, Le                     | 56  | 49 | 30N | 0   | 5 E  |
| Hawaii I.                     | 22  | 20 | 0N  | 155 | 0W   |
| Hawaian Is.                   | 22  | 20 | 30N | 156 | 0W   |
| Hawarden                      | 45  | 53 | 11N | 3   | 2W   |
| Hawea Lake                    | 83  | 44 | 28S | 169 | 19 E |
| Hawera                        | 83  | 39 | 35S | 174 | 19 E |
| Hawes                         | 44  | 54 | 18N | 2   | 12W  |
| Haweswater                    | 44  | 54 | 32N | 2   | 48W  |
| Hawick                        | 46  | 55 | 25N | 2   | 48W  |
| Hawke B.                      | 83  | 39 | 25S | 177 | 20 E |
| Hawke's Bay                   | 83  | 39 | 45S | 176 | 35 E |
| Hawkhurst                     | 40  | 51 | 2N  | 0   | 31 E |
| Hawkshead                     | 44  | 54 | 23N | 3   | 0W   |
| Hawkwell                      | 41  | 51 | 35N | 0   | 40W  |
| Haworth                       | 45  | 53 | 50N | 1   | 57 E |
| Hay                           | 79  | 34 | 30S | 144 | 51 E |
| Hay-on-Wye                    | 42  | 52 | 4N  | 3   | 9W   |
| Hay River                     | 98  | 60 | 51N | 115 | 44W  |
| Hayange                       | 56  | 49 | 20N | 6   | 2 E  |
| Haydock                       | 45  | 53 | 27N | 2   | 42W  |
| Hayle                         | 43  | 50 | 12N | 5   | 25W  |
| Hays                          | 100 | 38 | 55N | 99  | 25W  |
| Hayward's Heath               | 40  | 51 | 0N  | 0   | 5W   |
| Hazel Grove                   | 45  | 53 | 23N | 2   | 07W  |
| Hazelton                      | 98  | 55 | 20N | 127 | 42W  |
| Headcorn                      | 40  | 51 | 10N | 0   | 39 E |
| Headford                      | 51  | 53 | 28N | 9   | 6W   |
| Heald Green                   | 45  | 53 | 23N | 2   | 12W  |
| Heanor                        | 44  | 53 | 1N  | 1   | 20W  |
| Heard I.                      | 23  | 53 | 0S  | 74  | 0 E  |
| Hearst                        | 99  | 49 | 40N | 83  | 41W  |
| Heathfield                    | 40  | 50 | 58N | 0   | 18 E |
| Hebburn                       | 44  | 54 | 59N | 1   | 30W  |
| Hebden Bridge                 | 45  | 53 | 45N | 2   | 0W   |
| Hebrides, Inner Is.           | 48  | 57 | 20N | 6   | 40W  |
| Hebron                        | 98  | 59 | 12N | 62  | 38W  |
| Heckmondwike                  | 45  | 53 | 42N | 1   | 40W  |
| Hedgehope                     | 83  | 46 | 12S | 168 | 34 E |
| Heemstede                     | 52  | 52 | 22N | 4   | 37 E |
| Heerenveen                    | 52  | 52 | 57N | 5   | 55 E |
| Heerlen                       | 52  | 50 | 55N | 6   | 0 E  |
| Heidelberg, Ger.              | 54  | 49 | 23N | 8   | 41 E |
| Heidelberg, C. Prov., S. Afr. | 94  | 34 | 6S  | 20  | 59 E |
| Heidelberg, Trans., S. Afr.   | 94  | 26 | 30S | 28  | 23 E |
| Heilbronn                     | 94  | 27 | 16S | 27  | 59 E |
| Heilungkiang                  | 54  | 49 | 8N  | 9   | 13 E |
| Hejazi                        | 73  | 47 | 30N | 129 | 0 E  |
| Helena                        | 71  | 26 | 0N  | 37  | 30 E |
| Helensburgh                   | 100 | 46 | 40N | 112 | 0W   |
| Helensville                   | 47  | 56 | 0N  | 4   | 44W  |
| Heligoland                    | 83  | 36 | 41S | 174 | 29 E |
| Heliopolis                    | 54  | 54 | 10N | 7   | 51 E |
| Hell-Ville                    | 91  | 30 | 6N  | 31  | 17 E |
| Hellin                        | 92  | 13 | 25S | 48  | 16 E |
| Helmond, R.                   | 60  | 38 | 31N | 1   | 40W  |
| Helmsdale                     | 71  | 34 | 0N  | 67  | 0 E  |
| Helmsley                      | 52  | 51 | 29N | 5   | 41 E |
| Helsinki                      | 48  | 58 | 7N  | 3   | 40W  |
| Helsingborg                   | 44  | 54 | 15N | 1   | 2W   |
| Helsinki                      | 45  | 53 | 16N | 2   | 47W  |
| Helsinki                      | 61  | 56 | 3N  | 12  | 42 E |
| Helsinki                      | 61  | 60 | 15N | 25  | 3 E  |

|                 |    |    |     |     |      |
|-----------------|----|----|-----|-----|------|
| Helvellyn       | 44 | 54 | 31N | 3   | 1W   |
| Helwan          | 91 | 29 | 50N | 31  | 20 E |
| Hemel Hempstead | 41 | 51 | 45N | 0   | 28W  |
| Hemsworth       | 45 | 53 | 37N | 1   | 21W  |
| Henares, R.     | 60 | 40 | 55N | 3   | 0W   |
| Henfield        | 40 | 50 | 56N | 0   | 17W  |
| Hengelo         | 52 | 52 | 16N | 6   | 48 E |
| Hengood         | 43 | 51 | 39N | 3   | 14W  |
| Hengyang        | 73 | 26 | 51N | 112 | 30 E |
| Henley          | 40 | 51 | 32N | 0   | 53   |



|                    |     |    |     |     |      |
|--------------------|-----|----|-----|-----|------|
| Ialomîța, R.       | 55  | 44 | 45N | 27  | 57 E |
| Iași               | 55  | 47 | 10N | 27  | 40 E |
| Ibadan             | 90  | 7  | 22N | 3   | 58 E |
| Ibague             | 107 | 4  | 27N | 73  | 14W  |
| Ibbenbüren         | 52  | 52 | 16N | 7   | 41 E |
| Iberian Peninsula  | 24  | 40 | 0N  | 5   | 0W   |
| Ibiza              | 60  | 38 | 54N | 1   | 26 E |
| Ibiza, I.          | 60  | 39 | 0N  | 1   | 30 E |
| Ibshawâ            | 91  | 29 | 21N | 30  | 40 E |
| Iceland, I. ■      | 96  | 65 | 0N  | 19  | 0W   |
| Ichang             | 73  | 30 | 48N | 111 | 29 E |
| Ichikawa           | 76  | 35 | 44N | 139 | 55 E |
| Ichinomiya         | 76  | 35 | 18N | 136 | 48 E |
| Ichinoseki         | 76  | 38 | 55N | 141 | 8 E  |
| Ichun              | 73  | 47 | 42N | 129 | 8 E  |
| Idaho              | 90  | 6  | 10N | 6   | 40 E |
| Idaho Falls        | 100 | 44 | 10N | 114 | 0W   |
| Idar-Oberstein     | 52  | 49 | 43N | 7   | 19 E |
| Idû                | 91  | 25 | 0N  | 32  | 49 E |
| *Idi Amin Dada, L. | 93  | 0  | 25S | 29  | 40 E |
| Idutywa            | 94  | 32 | 8S  | 28  | 18 E |
| Ife                | 90  | 7  | 30N | 4   | 31 E |
| Igbetti            | 90  | 8  | 44N | 4   | 8 E  |
| Igbo-Ora           | 90  | 7  | 10N | 3   | 15 E |
| Igboho             | 90  | 8  | 40N | 3   | 50 E |
| Iglésias           | 58  | 39 | 19N | 8   | 27 E |
| Iguaçu Falls       | 108 | 25 | 41S | 54  | 26W  |
| Igualea            | 106 | 18 | 20N | 99  | 40W  |
| Igualada           | 60  | 41 | 37N | 1   | 37 E |
| Ihiala             | 90  | 5  | 40N | 6   | 55 E |
| Iisalmi            | 61  | 63 | 32N | 27  | 10 E |
| Ijebu-Igbo         | 90  | 6  | 56N | 4   | 1 E  |
| Ijebu-Ode          | 90  | 6  | 47N | 3   | 52 E |
| Ijmuiden           | 52  | 52 | 28N | 4   | 35 E |
| Ijsselmeer         | 52  | 52 | 45N | 5   | 20 E |
| Ikare              | 90  | 7  | 18N | 5   | 40 E |
| Ikeja              | 90  | 6  | 28N | 3   | 45 E |
| Ikere              | 90  | 7  | 25N | 5   | 19 E |
| Ikire              | 90  | 7  | 10N | 4   | 15 E |
| Ikot Ekpene        | 90  | 5  | 12N | 7   | 40 E |
| Ila                | 90  | 8  | 0N  | 4   | 51 E |
| Ilaro Agege        | 90  | 6  | 53N | 3   | 3 E  |
| Ilchester          | 43  | 51 | 0N  | 2   | 41W  |
| Île de France □    | 56  | 49 | 0N  | 2   | 20 E |
| Ilebo              | 92  | 4  | 17S | 20  | 47 E |
| Ilero              | 90  | 8  | 0N  | 3   | 20 E |
| Ilesha             | 90  | 7  | 37N | 4   | 40 E |
| Ilfracombe         | 42  | 52 | 13N | 4   | 19W  |
| Iikeston           | 73  | 51 | 30N | 124 | 0 E  |
| Ikhuri Shan        | 45  | 53 | 56N | 1   | 49W  |
| Ikley              | 101 | 40 | 15N | 89  | 30W  |
| Illinois □         | 61  | 58 | 15N | 31  | 10 E |
| Ilmen L.           | 43  | 50 | 55N | 2   | 56W  |
| Ilminster          | 90  | 7  | 45N | 4   | 25 E |
| Iloilo             | 72  | 10 | 45N | 122 | 33 E |
| Iloria             | 90  | 7  | 45N | 3   | 50 E |
| Ilorin             | 90  | 8  | 30N | 4   | 35 E |
| Imatra             | 61  | 61 | 12N | 28  | 48 E |
| Imbaba             | 91  | 30 | 5N  | 31  | 12 E |
| Immingham          | 44  | 53 | 37N | 0   | 12W  |
| Imo                | 9   | 5  | 15N | 7   | 20 E |
| Imla               | 58  | 44 | 20N | 11  | 42 E |
| Imperia            | 58  | 43 | 52N | 8   | 0 E  |
| Imphal             | 70  | 24 | 48N | 93  | 56 E |
| In Salah           | 88  | 27 | 10N | 2   | 32 E |
| Ina                | 76  | 35 | 50N | 138 | 0 E  |
| Inangahua Junc.    | 83  | 41 | 52S | 171 | 59 E |
| Inari              | 61  | 68 | 54N | 27  | 5 E  |
| Inari, L.          | 61  | 69 | 0N  | 28  | 0 E  |
| Inca               | 60  | 39 | 43N | 2   | 54 E |
| Inch'on            | 73  | 37 | 27N | 126 | 40 E |
| Indal              | 61  | 62 | 35N | 17  | 5 E  |
| India ■            | 70  | 20 | 0N  | 80  | 0 E  |
| Indian Harbour     | 99  | 54 | 27N | 57  | 13W  |
| Indian Ocean       | 23  | 5  | 0S  | 75  | 0 E  |
| Indiana □          | 101 | 40 | 0N  | 86  | 0W   |
| Indianapolis       | 101 | 39 | 42N | 86  | 10W  |
| Indigirka, R.      | 62  | 69 | 0N  | 147 | 0 E  |
| Indonesia ■        | 72  | 5  | 0S  | 115 | 0 E  |
| Indore             | 70  | 22 | 42N | 75  | 53 E |
| Indre, R.          | 56  | 47 | 2N  | 1   | 8 E  |
| Indus, R.          | 71  | 28 | 40N | 70  | 10 E |
| Ingatstone         | 41  | 51 | 40N | 0   | 23W  |
| Ingfield Land      | 99  | 78 | 30N | 70  | 0W   |
| Ingleswood         | 83  | 39 | 9S  | 174 | 14 E |
| Ingolstadt         | 54  | 48 | 45N | 11  | 26 E |
| Inhabane           | 92  | 23 | 54S | 35  | 30 E |
| Ining (Kuldja)     | 73  | 43 | 57N | 81  | 20 E |
| Inishbofin I.      | 51  | 53 | 35N | 10  | 12W  |
| Inishchone         | 50  | 54 | 13N | 9   | 05W  |
| Inishmore, I.      | 51  | 53 | 8N  | 9   | 45W  |
| Inishowen, Pen.    | 50  | 55 | 14N | 7   | 15W  |
| Inishturk I.       | 50  | 53 | 42N | 10  | 8W   |
| Intiotege          | 51  | 52 | 30N | 7   | 5W   |
| Inn, R.            | 54  | 48 | 35N | 13  | 28 E |
| Innellan           | 47  | 55 | 54N | 4   | 58W  |
| Inner Mongolia □   | 73  | 44 | 50N | 117 | 40 E |
| Innerfail          | 79  | 17 | 33  | 14  | 5 E  |
| Innsbruck          | 54  | 47 | 16N | 11  | 23 E |
| Inouedjouac        | 99  | 58 | 27N | 78  | 6W   |
| Inowoclaw          | 55  | 52 | 50N | 18  | 20 E |
| Interlaken         | 54  | 46 | 41N | 7   | 50 E |
| Inuvik             | 98  | 68 | 16N | 133 | 40W  |
| Inveraray          | 46  | 56 | 13N | 5   | 5W   |
| Inverbervie        | 48  | 56 | 50N | 2   | 17W  |
| Invercargill       | 83  | 46 | 24S | 168 | 24 E |
| Inverell           | 79  | 29 | 45S | 151 | 8 E  |
| Invergarry         | 48  | 57 | 5N  | 4   | 48W  |
| Invergordon        | 48  | 57 | 41N | 4   | 10W  |
| Inverkeithing      | 47  | 56 | 2N  | 3   | 24W  |
| Invermoriston      | 48  | 57 | 13N | 4   | 38W  |
| Inverness          | 48  | 57 | 29N | 4   | 12W  |
| Inverurie          | 48  | 57 | 15N | 2   | 21W  |
| Investigator Str.  | 79  | 35 | 30S | 13  | 0 E  |
| Iona I.            | 46  | 56 | 20N | 6   | 25W  |
| Ionian Sea         | 58  | 37 | 30N | 17  | 30 E |
| Iowa □             | 101 | 42 | 18N | 93  | 30W  |
| Ipin               | 73  | 28 | 48N | 104 | 33 E |

\* Renamed Edward, L.

|                   |     |    |     |     |      |
|-------------------|-----|----|-----|-----|------|
| Ipswich, Austral. | 72  | 4  | 35N | 101 | 5 E  |
| Ipswich, U.K.     | 79  | 27 | 35S | 152 | 46 E |
| Iquique           | 108 | 20 | 19S | 70  | 5W   |
| Iquitos           | 108 | 3  | 45S | 73  | 10W  |
| Iran ■            | 71  | 33 | 0N  | 53  | 0 E  |
| Iran Ra.          | 72  | 2  | 20N | 114 | 50 E |
| Irapuato          | 106 | 20 | 40N | 101 | 40W  |
| Iraq ■            | 71  | 33 | 0N  | 44  | 0 E  |
| Ireland ■         | 51  | 53 | 0N  | 8   | 0W   |
| Ireland's Eye     | 51  | 53 | 25N | 6   | 4W   |
| Irele             | 90  | 7  | 40N | 5   | 40 E |
| Irian Jaya □      | 72  | 4  | 0S  | 137 | 0 E  |
| Iringa            | 93  | 7  | 48S | 35  | 43 E |
| Iriomote-Jima     | 76  | 24 | 19N | 123 | 48 E |
| Irish Sea         | 24  | 54 | 0N  | 5   | 0W   |
| Irksutsk          | 62  | 52 | 10N | 104 | 20 E |
| Irlam             | 45  | 53 | 26N | 2   | 27W  |
| Iron Knob         | 79  | 32 | 46S | 137 | 8 E  |
| Ironbridge        | 45  | 52 | 38N | 2   | 29W  |
| Irrawaddy, R.     | 70  | 15 | 50N | 95  | 6 E  |
| Irthlingborough   | 40  | 52 | 20N | 0   | 37W  |
| Irtys, R.         | 62  | 53 | 36N | 75  | 30 E |
| Irûn              | 60  | 43 | 20N | 1   | 52W  |
| Irvine            | 47  | 55 | 37N | 4   | 40W  |
| Irvinestown       | 50  | 54 | 28N | 7   | 38W  |
| Isahaya           | 76  | 32 | 52N | 130 | 2 E  |
| Isar, R.          | 54  | 48 | 40N | 12  | 30 E |
| Isbister          | 49  | 60 | 22N | 0   | 54W  |
| Ischia, I.        | 58  | 40 | 45N | 13  | 51 E |
| Isère, R.         | 56  | 45 | 15N | 5   | 30 E |
| Iserlohn          | 52  | 51 | 22N | 7   | 40 E |
| Iseyin            | 90  | 8  | 0N  | 3   | 36 E |
| Ishigaki          | 76  | 24 | 20N | 124 | 10 E |
| Ishikari-Wan      | 76  | 43 | 20N | 141 | 20 E |
| Ishikawa          | 76  | 26 | 25N | 127 | 48 E |
| Ishinomaki        | 76  | 38 | 32N | 141 | 20 E |
| Isiolo            | 93  | 0  | 24N | 37  | 33 E |
| Isipingo          | 94  | 30 | 00S | 30  | 57 E |
| Isipingo Beach    | 94  | 30 | 00S | 30  | 57 E |
| Isiro             | 92  | 2  | 53N | 27  | 58 E |
| Iskenderun        | 71  | 36 | 32N | 36  | 10 E |
| Isle, R.          | 48  | 56 | 32N | 3   | 20W  |
| Islamabad         | 71  | 33 | 40N | 73  | 0 E  |
| Islay, I.         | 46  | 55 | 46N | 6   | 10W  |
| Islington         | 41  | 51 | 32N | 0   | 06W  |
| Isma'iliya        | 91  | 30 | 37N | 32  | 18 E |
| Isna              | 91  | 25 | 17N | 32  | 30 E |
| Isoka             | 93  | 10 | 4S  | 32  | 42 E |
| Isipica           | 58  | 36 | 47N | 14  | 53 E |
| Israel ■          | 89  | 32 | 0N  | 34  | 50 E |
| Issore            | 56  | 45 | 32N | 3   | 15 E |
| Issyk-Kul, L.     | 71  | 42 | 55N | 77  | 15 E |
| Istanbul          | 71  | 41 | 0N  | 29  | 0 E  |
| Istra             | 58  | 45 | 10N | 14  | 0 E  |
| Ithaca            | 104 | 42 | 25N | 76  | 30W  |
| Ita               | 91  | 29 | 15N | 30  | 40 E |
| Itu               | 90  | 5  | 10N | 7   | 58 E |
| Ivanhoe           | 79  | 32 | 56S | 144 | 20 E |
| Ivano-Frankovsk   | 55  | 49 | 0N  | 24  | 40 E |
| Ivanovo           | 62  | 57 | 5N  | 41  | 0 E  |
| Ivory Coast ■     | 88  | 7  | 30N | 5   | 0W   |
| Ivrea             | 58  | 45 | 30N | 7   | 52 E |
| Ivugivik          | 99  | 62 | 24N | 77  | 55W  |
| Ivybridge         | 43  | 50 | 24N | 3   | 56W  |
| Iwaki             | 76  | 37 | 3N  | 140 | 55 E |
| Iwamisawa         | 76  | 43 | 12N | 141 | 46 E |
| Iwanai            | 76  | 42 | 58N | 140 | 58 E |
| Iwanuma           | 76  | 38 | 7N  | 140 | 58 E |
| Iwate-San         | 76  | 39 | 51N | 141 | 0 E  |
| Iwo               | 90  | 7  | 39N | 4   | 12 E |
| Izegem            | 52  | 50 | 55N | 3   | 9 E  |
| Izhevsk           | 62  | 56 | 51N | 53  | 14 E |
| Izmail            | 55  | 45 | 22N | 28  | 46 E |
| Izmir             | 71  | 38 | 25N | 27  | 8 E  |
| Izumo             | 76  | 35 | 20N | 132 | 55 E |

## J

|                            |     |    |     |     |      |
|----------------------------|-----|----|-----|-----|------|
| Jabalpur                   | 70  | 23 | 9N  | 79  | 58 E |
| Jaca                       | 60  | 42 | 35N | 0   | 33W  |
| Jackson, Mich., U.S.A.     | 104 | 42 | 15N | 84  | 25W  |
| Jackson, Miss., U.S.A.     | 101 | 32 | 20N | 90  | 10W  |
| Jackson, Tenn., U.S.A.     | 101 | 35 | 40N | 88  | 50W  |
| Jacksons                   | 83  | 42 | 46S | 171 | 32 E |
| Jacksonville, Fla., U.S.A. | 101 | 30 | 15N | 81  | 38W  |
| Jacksonville, Ill., U.S.A. | 101 | 39 | 42N | 90  | 15W  |
| Jacobabad                  | 71  | 28 | 20N | 68  | 29 E |
| Jaen                       | 60  | 37 | 44N | 3   | 43W  |
| Jaffna                     | 70  | 9  | 45N | 80  | 2 E  |
| Jagdalpur                  | 70  | 19 | 3N  | 82  | 6 E  |
| Jagersfontein              | 94  | 29 | 44S | 25  | 27 E |
| Jahrom                     | 71  | 28 | 30N | 53  | 31 E |
| Jaipur                     | 70  | 27 | 0N  | 76  | 10 E |
| Jakarta                    | 72  | 6  | 9S  | 106 | 49 E |
| Jalalabad                  | 71  | 34 | 30N | 70  | 29 E |
| Jalapa                     | 106 | 19 | 30N | 96  | 50W  |
| Jalgaon                    | 70  | 21 | 0N  | 75  | 42 E |
| Jalingo                    | 90  | 8  | 55N | 11  | 25 E |
| Jalón, R.                  | 60  | 41 | 20N | 14  | 0W   |
| Jamaari                    | 90  | 11 | 44N | 9   | 53 E |
| Jamaica, I. ■              | 107 | 18 | 10N | 77  | 30W  |
| Jambi                      | 72  | 1  | 38S | 103 | 30 E |
| Jamestown, Austral.        | 79  | 33 | 10S | 138 | 32 E |
| Jamestown, N.D., U.S.A.    | 100 | 47 | 0N  | 98  | 45W  |
| Jamestown, N.Y., U.S.A.    | 104 | 42 | 5N  | 79  | 18W  |
| Jammu                      | 70  | 32 | 43N | 74  | 54 E |
| Jammu & Kashmir □          | 70  | 34 | 25N | 77  | 0 E  |
| Jamnagar                   | 70  | 22 | 30N | 70  | 0 E  |
| Jamshedpur                 | 70  | 22 | 44N | 86  | 20 E |
| Jan Mayen Is.              | 112 | 71 | 0N  | 11  | 0W   |
| Jansenville                | 94  | 32 | 57S | 24  | 39 E |
| Japan ■                    | 76  | 36 | 0N  | 136 | 0 E  |
| Japan, Sea of              | 76  | 40 | 0N  | 135 | 0 E  |
| Japurá, R.                 | 108 | 3  | 8S  | 64  | 46W  |
| Jaroslavl                  | 55  | 50 | 2N  | 22  | 42 E |
| Jartrow                    | 44  | 54 | 58N | 1   | 28W  |
| Jarvis I.                  | 22  | 0  | 15S | 159 | 55W  |

\* Renamed Ustinov

|                |     |    |     |     |      |
|----------------|-----|----|-----|-----|------|
| Jaslo          | 55  | 49 | 45N | 21  | 30 E |
| Játiva         | 60  | 39 | 0N  | 0   | 32W  |
| Java, I.       | 72  | 7  | 0S  | 110 | 0 E  |
| Java Sea       | 72  | 4  | 35S | 107 | 15 E |
| Jebba          | 90  | 9  | 9N  | 4   | 48 E |
| Jedburgh       | 46  | 55 | 28N | 2   | 33W  |
| Jedrzejów      | 55  | 50 | 35N | 20  | 15 E |
| Jefferson, Mt. | 105 | 44 | 45N | 121 | 50W  |
| Jega           | 90  | 12 | 15N | 4   | 23 E |
| Jelenia Góra   | 54  | 50 | 50N | 15  | 45 E |
| Jelgava        | 61  | 56 | 41N | 22  | 49 E |
| Jemappes       | 52  | 50 | 27N | 3   | 54 E |
| Jemeppe        | 52  | 50 | 37S | 5   | 30 E |
| Jena           | 54  | 50 | 56N | 11  | 33 E |



## Kebnekaise, mt

|                    |     |    |     |     |     |   |
|--------------------|-----|----|-----|-----|-----|---|
| Kebnekaise, mt.    | 61  | 67 | 54N | 18  | 33  | E |
| Kecksmet           | 55  | 46 | 57N | 19  | 35  | E |
| Kediri             | 72  | 7  | 51S | 112 | 1   | E |
| Keeper Hill        | 51  | 52 | 46N | 8   | 17W |   |
| Keetmanshoop       | 94  | 26 | 35S | 18  | 8   | E |
| Keewatin           | 98  | 63 | 20N | 94  | 40W |   |
| Keffi              | 90  | 8  | 55N | 7   | 43  | E |
| Keighley           | 45  | 53 | 52N | 1   | 54W |   |
| Keimoes            | 94  | 28 | 41S | 2   | 1   | E |
| Keith              | 48  | 57 | 33N | 2   | 58W |   |
| Kelang             | 72  | 3  | 2N  | 101 | 26  | E |
| Kellerberrin       | 78  | 31 | 36S | 117 | 38  | E |
| Kellogg            | 100 | 47 | 30N | 116 | 5W  |   |
| Kelowna            | 105 | 49 | 50N | 119 | 25W |   |
| Kelso              | 46  | 55 | 36N | 2   | 27W |   |
| Kelty              | 47  | 56 | 08N | 3   | 23W |   |
| Kem                | 61  | 65 | 0N  | 34  | 38E |   |
| Kemerovo           | 62  | 55 | 20N | 85  | 50E |   |
| Kemi               | 61  | 65 | 44N | 24  | 34E |   |
| Kemi, R.           | 61  | 67 | 30N | 28  | 30E |   |
| Kemp Coast         | 112 | 69 | 0S  | 55  | 0E  |   |
| Kempsey            | 79  | 31 | 1S  | 152 | 50W |   |
| Kempton            | 54  | 47 | 42N | 10  | 18E |   |
| Kemsing            | 41  | 51 | 18N | 0   | 14E |   |
| Kendal             | 44  | 54 | 19N | 2   | 44W |   |
| Kendari            | 72  | 3  | 50S | 122 | 30E |   |
| Kende              | 90  | 11 | 30N | 4   | 12E |   |
| Keng Tung          | 70  | 21 | 0N  | 99  | 30E |   |
| Kenhardt           | 94  | 29 | 19N | 21  | 12E |   |
| Kenilworth         | 42  | 52 | 22N | 1   | 35W |   |
| Kenitra            | 88  | 34 | 15N | 6   | 40W |   |
| Kenmare            | 51  | 51 | 52N | 9   | 35W |   |
| Kenmare, R.        | 51  | 51 | 40N | 10  | 0W  |   |
| Kennet, R.         | 40  | 51 | 24N | 1   | 7W  |   |
| Kennewick          | 100 | 46 | 11N | 119 | 2W  |   |
| Kenosha            | 104 | 42 | 33N | 87  | 48W |   |
| Kent               | 40  | 51 | 12N | 0   | 40E |   |
| Kentucky           | 101 | 37 | 20N | 85  | 0W  |   |
| Kentville          | 99  | 45 | 6N  | 64  | 29W |   |
| Kenya              | 93  | 2  | 20N | 38  | 0E  |   |
| Kenya, Mt.         | 93  | 0  | 10S | 37  | 18E |   |
| Kerala             | 70  | 11 | 0N  | 76  | 15E |   |
| Kerama-Shotô       | 76  | 26 | 12N | 127 | 22E |   |
| Kerang             | 79  | 35 | 40S | 143 | 55E |   |
| Kerch              | 62  | 45 | 20N | 36  | 20E |   |
| Kerema             | 79  | 7  | 58  | 145 | 50E |   |
| Kerguelen I.       | 23  | 48 | 15S | 69  | 10E |   |
| Kericho            | 93  | 0  | 22S | 35  | 15E |   |
| Kerinci            | 72  | 2  | 5S  | 101 | 0E  |   |
| Kerki              | 71  | 37 | 50N | 65  | 12E |   |
| Kermadec Is.       | 22  | 31 | 8S  | 175 | 16W |   |
| Kermán             | 71  | 30 | 15N | 57  | 1E  |   |
| Kermanshah         | 71  | 34 | 23N | 47  | 0E  |   |
| Kerrera I.         | 46  | 56 | 24N | 5   | 32W |   |
| Kerry              | 51  | 52 | 7N  | 9   | 35W |   |
| Kerulen, R.        | 73  | 48 | 48N | 117 | 0E  |   |
| Kesh               | 50  | 54 | 31N | 7   | 43W |   |
| Keswick            | 44  | 54 | 35N | 3   | 9W  |   |
| Ketchikan          | 96  | 55 | 25N | 131 | 40W |   |
| Kétrzyn            | 55  | 54 | 7N  | 21  | 22E |   |
| Kettinger          | 45  | 52 | 24N | 0   | 44W |   |
| Kezibrough         | 45  | 53 | 35N | 1   | 20W |   |
| Key West           | 104 | 24 | 40N | 82  | 0W  |   |
| Keynasham          | 42  | 51 | 25N | 2   | 30W |   |
| Khalig el Tina, B. | 91  | 31 | 20N | 32  | 42E |   |
| Kharagpur          | 70  | 22 | 20N | 87  | 25E |   |
| Kharga, Oasis de   | 91  | 25 | 0N  | 30  | 0E  |   |
| Kharit, Wadi el    | 91  | 24 | 5N  | 34  | 10E |   |
| Kharkov            | 62  | 49 | 58N | 36  | 20E |   |
| Khartoum           | 89  | 15 | 31N | 32  | 35E |   |
| Khashm el Girba    | 89  | 14 | 59N | 35  | 58E |   |
| Khasi Hills        | 70  | 25 | 30N | 91  | 30E |   |
| Khatanga           | 62  | 72 | 0N  | 102 | 20E |   |
| Kherson            | 62  | 46 | 35N | 32  | 35E |   |
| Khetinsiring       | 73  | 32 | 54N | 92  | 50E |   |
| Khilok             | 73  | 31 | 30N | 110 | 45E |   |
| Khiva              | 71  | 41 | 30N | 60  | 18E |   |
| Khrolm             | 61  | 57 | 10N | 31  | 15E |   |
| Khong, R.          | 72  | 15 | 0N  | 106 | 50E |   |
| Khormashahr        | 71  | 30 | 29N | 48  | 15E |   |
| Khotin             | 55  | 48 | 31N | 26  | 27E |   |
| Khurasan, prov.    | 71  | 34 | 0N  | 57  | 0E  |   |
| Khuat              | 55  | 48 | 10N | 23  | 18E |   |
| Khvoy              | 71  | 38 | 35N | 45  | 0E  |   |
| Khyber Pass        | 70  | 34 | 10N | 71  | 8E  |   |
| Kiambu             | 93  | 1  | 8S  | 36  | 50E |   |
| Kiamusze           | 73  | 46 | 45N | 130 | 30E |   |
| Kian               | 73  | 27 | 1N  | 114 | 58E |   |
| Kiangsi            | 73  | 27 | 20N | 115 | 40E |   |
| Kiangsu            | 73  | 33 | 0N  | 119 | 50E |   |
| Kiaohsien          | 73  | 36 | 20N | 120 | 0E  |   |
| Kibwezi            | 93  | 2  | 27S | 37  | 57E |   |
| Kicking Horse Pass | 98  | 51 | 28N | 116 | 16W |   |
| Kidderminster      | 41  | 52 | 24N | 2   | 13W |   |
| Kidsgrove          | 44  | 53 | 6N  | 2   | 15W |   |
| Kidwelly           | 42  | 51 | 44N | 4   | 20W |   |
| Kiel               | 54  | 54 | 16N | 10  | 8E  |   |
| Kiel B.            | 55  | 50 | 58N | 20  | 42E |   |
| Kielce             | 73  | 27 | 0N  | 118 | 16E |   |
| Kienow             | 73  | 23 | 57N | 102 | 45E |   |
| Kienshui           | 55  | 50 | 30N | 30  | 28E |   |
| Kiev               | 93  | 1  | 5S  | 30  | 4E  |   |
| Kigali             | 93  | 5  | 30S | 30  | 0E  |   |
| Kigoma-Ujiji       | 76  | 33 | 40N | 135 | 0E  |   |
| Kii Chan.          | 55  | 45 | 50N | 20  | 30E |   |
| Kikinda            | 79  | 7  | 13S | 144 | 15E |   |
| Kikori             | 51  | 53 | 22N | 7   | 30W |   |
| Kilbeggan          | 47  | 55 | 46N | 4   | 42W |   |
| Kilbirnie          | 51  | 53 | 11N | 7   | 44W |   |
| Kilcormac          | 47  | 55 | 59N | 4   | 50W |   |
| Kilcraggan         | 51  | 53 | 8N  | 6   | 45W |   |
| Kilcullen          | 51  | 53 | 10N | 6   | 50W |   |
| Kildare            | 51  | 53 | 10N | 6   | 50W |   |
| Kildare            | 48  | 58 | 10N | 3   | 50W |   |
| Kildonan           | 42  | 51 | 43N | 4   | 43W |   |
| Kilgetty           | 93  | 3  | 40S | 39  | 48E |   |
| Kilifi             | 93  | 3  | 7S  | 37  | 20E |   |
| Kilimanjaro, Mt.   | 93  | 4  | 4S  | 39  | 40E |   |
| Kilindini          | 55  | 45 | 28N | 29  | 16E |   |
| Kiliza             | 51  | 52 | 41N | 9   | 40W |   |
| Kilkeel            | 50  | 54 | 4N  | 6   | 0W  |   |
| Kilkenny           | 51  | 52 | 40N | 7   | 17W |   |

\* Renamed Bakhtaran

## Langholm

|                         |     |    |     |     |     |     |
|-------------------------|-----|----|-----|-----|-----|-----|
| Kilkenny                | 51  | 52 | 35N | 7   | 15W |     |
| Kill                    | 51  | 52 | 11N | 7   | 20W |     |
| Killalla B.             | 50  | 54 | 20N | 9   | 12W |     |
| Killaloe                | 51  | 52 | 48N | 8   | 28W |     |
| Killamarsh              | 45  | 53 | 19N | 1   | 19W |     |
| Killarney               | 51  | 52 | 2N  | 9   | 30W |     |
| Killarney, L's. of      | 51  | 52 | 0N  | 9   | 30W |     |
| Killashandra            | 50  | 54 | 1N  | 7   | 32W |     |
| Killay                  | 42  | 51 | 36N | 4   | 02W |     |
| Killenaule              | 51  | 52 | 35N | 7   | 40W |     |
| Killiercrankie, Pass of | 48  | 56 | 44N | 3   | 49W |     |
| Killinor                | 51  | 53 | 10N | 8   | 17W |     |
| Killiney                | 51  | 53 | 15N | 8   | 8W  |     |
| Killorglin              | 51  | 52 | 6N  | 9   | 48W |     |
| Killybegs               | 50  | 54 | 38N | 8   | 26W |     |
| Kilmacolm               | 47  | 55 | 54N | 4   | 29W |     |
| Kilmacthomas            | 51  | 52 | 13N | 7   | 27W |     |
| Kilmallock              | 51  | 52 | 22N | 8   | 35W |     |
| Kilmarnock              | 47  | 55 | 36N | 4   | 30W |     |
| Kilmaurs                | 47  | 55 | 37N | 4   | 33W |     |
| Kilosa                  | 93  | 6  | 48S | 37  | 0E  |     |
| Kilrea                  | 50  | 54 | 58N | 6   | 34W |     |
| Kilroman                | 51  | 53 | 8N  | 9   | 40W |     |
| Kilrush                 | 51  | 52 | 39N | 9   | 30W |     |
| Kilsyth                 | 47  | 55 | 58N | 4   | 3W  |     |
| Kiltamagh               | 50  | 53 | 52N | 9   | 0W  |     |
| Kilwa Kisiwani          | 93  | 8  | 58S | 39  | 32E |     |
| Kilwa Kivinje           | 93  | 8  | 45S | 39  | 25E |     |
| Kilwinning              | 47  | 55 | 40N | 4   | 41W |     |
| Kimba                   | 79  | 33 | 8S  | 136 | 23E |     |
| Kimberley, Austral.     | 78  | 16 | 20S | 127 | 0E  |     |
| Kimberley, S. Afr.      | 94  | 28 | 43S | 24  | 46E |     |
| Kinabalu, mt.           | 72  | 6  | 0N  | 116 | 0E  |     |
| Kinbrace                | 48  | 58 | 16N | 3   | 56W |     |
| Kincardine              | 47  | 56 | 4N  | 3   | 43W |     |
| Kindu                   | 92  | 2  | 55S | 25  | 50E |     |
| King George Is.         | 99  | 53 | 40N | 80  | 30W |     |
| King I.                 | 79  | 39 | 50S | 144 | 0E  |     |
| King Leopold Ranges     | 78  | 17 | 20S | 124 | 20E |     |
| King Sd.                | 78  | 16 | 50S | 123 | 20E |     |
| King William's Town     | 94  | 32 | 51S | 27  | 22E |     |
| Kinghorn                | 47  | 56 | 4N  | 3   | 10W |     |
| Kingman                 | 100 | 35 | 12N | 114 | 2W  |     |
| Kings Langley           | 41  | 51 | 42N | 0   | 2W  |     |
| King's Lynn             | 40  | 52 | 45N | 0   | 25E |     |
| King's Worthly          | 40  | 51 | 6N  | 1   | 18W |     |
| Kingscourt              | 51  | 53 | 55N | 6   | 48W |     |
| Kingsclere              | 40  | 51 | 19N | 1   | 15W |     |
| Kingston, Can.          | 104 | 44 | 14N | 76  | 30W |     |
| Kingston, Jamaica       | 107 | 18 | 0N  | 76  | 50W |     |
| Kingston, N.Z.          | 83  | 45 | 20S | 168 | 43E |     |
| Kingston, U.S.A.        | 104 | 41 | 55N | 74  | 0W  |     |
| Kingston-upon-Thames    | 41  | 51 | 23N | 0   | 20W |     |
| Kingstown               | 107 | 13 | 10N | 61  | 10W |     |
| Kingsville              | 100 | 27 | 30N | 97  | 53W |     |
| Kingswood, Glos., U.K.  | 43  | 51 | 26N | 2   | 31W |     |
| Kingswood, War., U.K.   | 41  | 52 | 20N | 1   | 43W |     |
| Kingtehchen (Fowliang)  | 73  | 29 | 8N  | 117 | 21E |     |
| Kington                 | 42  | 52 | 12N | 3   | 2W  |     |
| Kingussie               | 48  | 57 | 5N  | 4   | 2W  |     |
| Kinleith                | 83  | 38 | 20S | 175 | 56E |     |
| Kinloch                 | 83  | 44 | 1S  | 168 | 20E |     |
| Kinlochewe              | 48  | 57 | 37N | 5   | 20W |     |
| Kinlochleven            | 48  | 56 | 42N | 4   | 59W |     |
| Kinnairds Hd.           | 48  | 57 | 40N | 2   | 0W  |     |
| Kinnegad                | 70  | 82 | 53N | 28N | 7   | 22W |
| Kinross                 | 47  | 56 | 13N | 3   | 25W |     |
| Kinsale                 | 51  | 51 | 42N | 8   | 31W |     |
| Kinsale, Old Hd. of     | 51  | 51 | 37N | 8   | 32W |     |
| Kinshasa                | 92  | 4  | 20S | 15  | 15E |     |
| Kinston                 | 101 | 35 | 18N | 77  | 35S |     |
| Kintore                 | 48  | 57 | 14N | 2   | 20W |     |
| Kintyre                 | 46  | 55 | 30N | 5   | 35W |     |
| Kintyre, Mull of        | 46  | 55 | 17N | 5   | 4W  |     |
| Kipini                  | 93  | 2  | 30S | 40  | 32E |     |
| Kippax                  | 45  | 53 | 46N | 1   | 22W |     |
| Kirby Muxloe            | 41  | 52 | 37N | 1   | 13W |     |
| Kirensk                 | 62  | 57 | 50N | 107 | 55E |     |
| Kirgiz S.S.R. □         | 72  | 42 | 0N  | 75  | 0E  |     |
| Kirin                   | 73  | 43 | 58N | 126 | 31E |     |
| Kirin □                 | 73  | 43 | 50N | 125 | 45E |     |
| Kirkburton              | 45  | 53 | 36N | 1   | 42W |     |
| Kirkby                  | 45  | 53 | 29N | 2   | 54W |     |
| Kirkby Lonsdale         | 44  | 54 | 13N | 2   | 36W |     |
| Kirkby Moorside         | 44  | 54 | 16N | 0   | 56W |     |
| Kirkby Steven           | 44  | 54 | 27N | 2   | 23W |     |
| Kirkcaldy               | 47  | 56 | 7N  | -3  | 10W |     |
| Kirkcolm                | 46  | 54 | 59N | 5   | 4W  |     |
| Kirkconnel              | 46  | 55 | 23N | 4   | 0W  |     |
| Kirkcudbright           | 46  | 54 | 50N | 4   | 3W  |     |
| Kirkham                 | 45  | 53 | 47N | 2   | 52W |     |
| Kirkheaton              | 45  | 53 | 39N | 1   | 44W |     |
| Kirkintilloch           | 47  | 55 | 57N | 4   | 10W |     |
| Kirkland Lake           | 99  | 48 | 9N  | 80  | 2W  |     |
| Kirkliston              | 47  | 55 | 55N | 3   | 27W |     |
| Kirkuk                  | 71  | 35 | 30N | 44  | 21E |     |
| Kirkwall                | 49  | 58 | 59N | 2   | 59W |     |
| Kirkwood                | 94  | 33 | 22S | 25  | 15E |     |
| Kirov                   | 62  | 58 | 35N | 49  | 40E |     |
| Kirovabad               | 71  | 40 | 45N | 46  | 10E |     |
| Kirovsk                 | 61  | 67 | 48N | 33  | 50E |     |
| Kirtachi                | 90  | 12 | 52N | 2   | 30E |     |
| Kiruna                  | 61  | 67 | 52N | 20  | 15E |     |
| Kiryü                   | 76  | 36 | 24N | 139 | 20E |     |
| Kisangani               | 92  | 0  | 35N | 25  | 15E |     |
| Kishangarh              | 70  | 27 | 50N | 70  | 30E |     |
| Kishinev                | 55  | 47 | 0N  | 28  | 50E | </  |



## Langport

|                             |     |    |      |     |      |
|-----------------------------|-----|----|------|-----|------|
| Langport                    | 43  | 51 | 2N   | 2   | 51W  |
| Langres                     | 56  | 47 | 52N  | 5   | 20 E |
| Languedoc                   | 56  | 43 | 58N  | 4   | 0 E  |
| Lansdowne                   | 94  | 31 | 48 S | 152 | 30 E |
| Lansing                     | 104 | 42 | 47N  | 84  | 40W  |
| Laoag                       | 72  | 18 | 7N   | 120 | 34 E |
| Laos                        | 51  | 53 | 0N   | 7   | 20W  |
| Laos                        | 56  | 49 | 33N  | 3   | 35 E |
| Laos                        | 72  | 17 | 45N  | 105 | 0 E  |
| Laplant                     | 61  | 68 | 7N   | 24  | 0 E  |
| Laptev Sea                  | 62  | 76 | 0N   | 125 | 0 E  |
| Laragh                      | 51  | 53 | 0N   | 6   | 20W  |
| Laramie                     | 100 | 41 | 15N  | 105 | 29W  |
| Laramie Mts.                | 100 | 42 | 0N   | 105 | 30W  |
| Larbert                     | 47  | 56 | 2N   | 3   | 50W  |
| Laredo                      | 100 | 27 | 34N  | 99  | 29W  |
| Laren                       | 52  | 52 | 16N  | 5   | 14 E |
| Largs                       | 47  | 55 | 48N  | 4   | 51W  |
| Larkhall                    | 47  | 55 | 44N  | 3   | 58W  |
| Larne                       | 50  | 54 | 52N  | 5   | 50W  |
| Larne                       | 50  | 54 | 55N  | 5   | 55W  |
| Larrimah                    | 78  | 15 | 35 S | 112 | 12 E |
| Larvik                      | 61  | 59 | 4N   | 10  | 0 E  |
| Las Cruces                  | 100 | 32 | 25N  | 106 | 50W  |
| Las Mercedes                | 107 | 9  | 7N   | 76  | 24W  |
| Las Palmas                  | 88  | 28 | 10N  | 15  | 28W  |
| Las Vegas, Nev., U.S.A.     | 100 | 36 | 10N  | 115 | 5W   |
| Las Vegas, N.M., U.S.A.     | 100 | 35 | 35N  | 105 | 10W  |
| Lashio                      | 70  | 22 | 56N  | 97  | 45 E |
| Lassen, Pk.                 | 105 | 40 | 35N  | 121 | 40W  |
| Lasswade                    | 47  | 55 | 53N  | 3   | 8W   |
| Latherton                   | 48  | 58 | 17N  | 3   | 20W  |
| Latium                      | 58  | 42 | 10N  | 12  | 30 E |
| Latvia, S.S.R. □            | 61  | 56 | 50N  | 24  | 0 E  |
| Lauder                      | 46  | 55 | 43N  | 2   | 45W  |
| Lauenburg                   | 54  | 53 | 32N  | 10  | 33 E |
| Laugharne                   | 42  | 51 | 45N  | 4   | 28W  |
| Launceston, Austral.        | 79  | 41 | 24 S | 147 | 8 E  |
| Launceston, U.K.            | 43  | 50 | 38N  | 4   | 21W  |
| Laura                       | 79  | 15 | 32 S | 144 | 32 E |
| Laurel                      | 101 | 31 | 50N  | 89  | 0W   |
| Laurelcekirk                | 48  | 56 | 50N  | 2   | 30W  |
| Laurentown                  | 51  | 53 | 14N  | 8   | 11W  |
| Laurentian Plat.            | 96  | 52 | 0N   | 70  | 0W   |
| Lausanne                    | 54  | 46 | 32N  | 6   | 38 E |
| Laut, I.                    | 72  | 3  | 40 S | 116 | 10 E |
| Laval                       | 56  | 48 | 4N   | 0   | 48W  |
| Laverton                    | 78  | 28 | 44 S | 122 | 29 E |
| Lavongai, I.                | 79  | 2  | 18 S | 150 | 0 E  |
| Lawrence, N.Z.              | 83  | 45 | 55 S | 169 | 41 E |
| Lawrence, Kans., U.S.A.     | 101 | 39 | 0N   | 95  | 10W  |
| Lawrence, Mass., U.S.A.     | 104 | 42 | 40N  | 71  | 9W   |
| Lawton                      | 100 | 34 | 33N  | 98  | 25W  |
| Laxey                       | 42  | 54 | 15N  | 4   | 23W  |
| Laxford Bridge              | 48  | 58 | 22N  | 5   | 2W   |
| Laysan I.                   | 22  | 25 | 30N  | 167 | 0W   |
| Lea, R.                     | 41  | 51 | 30N  | 0   | 10W  |
| Leadgate                    | 44  | 54 | 52N  | 1   | 48W  |
| Leadville                   | 100 | 39 | 17N  | 106 | 23W  |
| Leamington                  | 42  | 52 | 18N  | 1   | 32W  |
| Leatherhead                 | 41  | 51 | 18N  | 0   | 20W  |
| Leavenworth                 | 101 | 39 | 25N  | 95  | 0W   |
| Lebanon                     | 89  | 34 | 0N   | 36  | 0 E  |
| Lebanon Mts.                | 89  | 33 | 45N  | 35  | 45 E |
| Lebombo Mts.                | 94  | 24 | 30 S | 32  | 0 E  |
| Lebrija                     | 60  | 36 | 53N  | 6   | 5W   |
| Lecce                       | 58  | 40 | 20N  | 18  | 10 E |
| Ledchade                    | 42  | 51 | 42N  | 1   | 40W  |
| Ledbury                     | 42  | 52 | 3N   | 2   | 25W  |
| Ledeborg                    | 52  | 51 | 2N   | 3   | 45 E |
| Ledmore                     | 48  | 58 | 04N  | 4   | 58W  |
| Leduc                       | 98  | 53 | 15N  | 113 | 30W  |
| Lee, R.                     | 51  | 51 | 51N  | 9   | 2W   |
| Leeds                       | 45  | 53 | 48N  | 1   | 34W  |
| Leek                        | 44  | 53 | 7N   | 2   | 21W  |
| Leenaun                     | 51  | 53 | 36N  | 9   | 41W  |
| Leer                        | 52  | 53 | 13N  | 7   | 29 E |
| Leeton                      | 79  | 34 | 23 S | 146 | 23 E |
| Leeuwarden                  | 52  | 53 | 15N  | 5   | 48 E |
| Leeuwin, C.                 | 78  | 34 | 20 S | 115 | 9 E  |
| Leeward Is.                 | 107 | 16 | 30N  | 63  | 30W  |
| Leghorn                     | 58  | 43 | 32N  | 10  | 18 E |
| Legnica                     | 54  | 51 | 12N  | 16  | 10 E |
| Leh                         | 70  | 34 | 15N  | 77  | 35 E |
| Leicester                   | 41  | 52 | 39N  | 1   | 9W   |
| Leicester □                 | 45  | 52 | 40N  | 1   | 10W  |
| Leiden                      | 52  | 52 | 9N   | 4   | 30 E |
| Leie, R.                    | 52  | 51 | 2N   | 3   | 45 E |
| Leigh, Gr. Manch., U.K.     | 45  | 53 | 29N  | 2   | 31W  |
| Leigh, Here, & Worcs., U.K. | 44  | 52 | 10N  | 2   | 21W  |
| Leigh Creek                 | 79  | 30 | 28 S | 138 | 24 E |
| Leighton Buzzard            | 40  | 51 | 55N  | 0   | 39W  |
| Leinster □                  | 51  | 53 | 0N   | 7   | 10W  |
| Leinster, Mt.               | 51  | 52 | 38N  | 6   | 47W  |
| Leipzig                     | 54  | 51 | 20N  | 12  | 23 E |
| Leiston                     | 40  | 52 | 13N  | 1   | 35 E |
| Leith                       | 47  | 55 | 59N  | 3   | 10W  |
| Leith Hill                  | 40  | 51 | 10N  | 0   | 23W  |
| Leitrim                     | 50  | 54 | 0N   | 8   | 5W   |
| Leixlip                     | 51  | 53 | 22N  | 6   | 30W  |
| Lek, R.                     | 52  | 51 | 54N  | 4   | 38 E |
| Lena, R.                    | 62  | 64 | 30N  | 127 | 0 E  |
| Leninabad                   | 71  | 40 | 17N  | 69  | 37 E |
| Leninakan                   | 71  | 41 | 0N   | 42  | 50 E |
| Leninograd                  | 61  | 59 | 55N  | 30  | 20 E |
| Leninogorsk                 | 62  | 50 | 20N  | 83  | 30 E |
| Leninsk-Kuznetskiy          | 62  | 55 | 10N  | 86  | 10 E |
| Lenkoran                    | 71  | 39 | 45N  | 48  | 50 E |
| Lennoxtown                  | 47  | 55 | 58N  | 4   | 14W  |
| Lens                        | 56  | 50 | 26N  | 2   | 50 E |
| Lentini                     | 58  | 37 | 18N  | 15  | 0 E  |
| Leominster                  | 42  | 52 | 15N  | 2   | 43W  |
| Leon, Mexico                | 106 | 21 | 7N   | 101 | 30W  |
| Leon, Nic.                  | 106 | 12 | 20N  | 86  | 51W  |
| Leon, Spain                 | 60  | 42 | 38N  | 5   | 34W  |
| Leon □                      | 60  | 42 | 40N  | 5   | 55W  |
| Leonor                      | 78  | 28 | 49 S | 121 | 19 E |
| Lephepe                     | 94  | 23 | 22 S | 25  | 50 E |
| Lepton                      | 45  | 53 | 39N  | 1   | 45W  |
| Lerdo                       | 106 | 25 | 32N  | 103 | 32W  |
| Lere                        | 90  | 9  | 43N  | 9   | 18W  |
| Lérda                       | 60  | 41 | 37N  | 0   | 39 E |

|                   |     |    |      |     |      |
|-------------------|-----|----|------|-----|------|
| Lerwick           | 49  | 60 | 10N  | 1   | 10W  |
| Leslie            | 47  | 56 | 12N  | 3   | 12W  |
| Lesmahagow        | 47  | 55 | 38N  | 3   | 55W  |
| Lesotho           | 94  | 29 | 40 S | 28  | 0 E  |
| Lesser Antilles   | 107 | 12 | 30N  | 61  | 0W   |
| Lessines          | 52  | 50 | 42N  | 3   | 50 E |
| Leszno            | 54  | 51 | 50N  | 16  | 30 E |
| Letaba, R.        | 94  | 23 | 42 S | 31  | 25 E |
| Letchworth        | 40  | 51 | 58N  | 0   | 13W  |
| Lethbridge        | 98  | 49 | 45N  | 112 | 45W  |
| Leti Is.          | 72  | 8  | 10 S | 128 | 0 E  |
| Letterkenny       | 50  | 54 | 57N  | 7   | 42W  |
| Leuven            | 52  | 50 | 52N  | 4   | 42 E |
| Levelland         | 100 | 33 | 38N  | 102 | 17W  |
| Leven             | 47  | 56 | 12N  | 3   | 0W   |
| Leven, L.         | 47  | 56 | 12N  | 3   | 22W  |
| Leverburgh        | 48  | 57 | 46N  | 7   | 0W   |
| Leverkusen        | 52  | 51 | 2N   | 6   | 59 E |
| Levin             | 83  | 40 | 37 S | 175 | 18 E |
| Levis             | 99  | 46 | 48N  | 71  | 9W   |
| Lewes             | 40  | 50 | 53N  | 0   | 2 E  |
| Lewis, Butt of    | 48  | 58 | 30N  | 6   | 12W  |
| Lewis, I.         | 48  | 58 | 10N  | 6   | 40W  |
| Lewis, R.         | 100 | 48 | 15N  | 114 | 0W   |
| Lewisham          | 41  | 51 | 27N  | 0   | 1W   |
| Lewiston          | 100 | 44 | 3N   | 70  | 10 E |
| Lexington         | 101 | 38 | 6N   | 84  | 30W  |
| Leyburn           | 44  | 54 | 19N  | 1   | 50W  |
| Leyland           | 45  | 53 | 41N  | 2   | 42W  |
| Leyte, I.         | 72  | 11 | 0N   | 125 | 0 E  |
| Leyton            | 41  | 51 | 34N  | 0   | 01W  |
| Lhasa             | 73  | 29 | 50N  | 91  | 3 E  |
| Liao Ho, R.       | 73  | 41 | 0N   | 121 | 55 E |
| Liaoning □        | 73  | 41 | 0N   | 122 | 30 E |
| Liaotung          | 73  | 40 | 10N  | 123 | 0 E  |
| Liaoyang          | 73  | 41 | 15N  | 123 | 10 E |
| Liaoyuan          | 73  | 42 | 55N  | 125 | 10 E |
| Liard, R.         | 98  | 61 | 51N  | 121 | 18W  |
| Liberal           | 100 | 37 | 4N   | 101 | 0W   |
| Liberec           | 54  | 50 | 47N  | 15  | 7 E  |
| Liberia           | 88  | 6  | 30N  | 9   | 30W  |
| Libourne          | 56  | 44 | 55N  | 0   | 14W  |
| Libramont         | 56  | 49 | 55N  | 5   | 23 E |
| Libreville        | 88  | 0  | 25N  | 9   | 26 E |
| Libya             | 88  | 28 | 30N  | 17  | 30 E |
| Libyan Desert     | 89  | 25 | 0N   | 25  | 0 E  |
| Libyan Plat.      | 91  | 30 | 40N  | 26  | 30 E |
| Licata            | 58  | 37 | 6N   | 13  | 55 E |
| Lichfield         | 41  | 52 | 40N  | 1   | 50W  |
| Lichtenburg       | 94  | 26 | 8    | 26  | 8 E  |
| Lida              | 55  | 53 | 53N  | 25  | 15 E |
| Liddel, R.        | 46  | 55 | 03N  | 2   | 57W  |
| Lichtenstein      | 54  | 47 | 8N   | 9   | 35 E |
| Liège             | 52  | 50 | 38N  | 5   | 35 E |
| Liège □           | 52  | 50 | 32N  | 5   | 35 E |
| Lienz             | 54  | 46 | 50N  | 12  | 46 E |
| Liepāja           | 61  | 56 | 30N  | 21  | 0 E  |
| Lier              | 52  | 51 | 7N   | 4   | 34 E |
| Liffey, R.        | 51  | 53 | 21N  | 6   | 20W  |
| Lifford           | 50  | 54 | 50N  | 7   | 30W  |
| Liguria □         | 58  | 44 | 30N  | 9   | 0 E  |
| Ligurian Sea      | 58  | 43 | 20N  | 9   | 0 E  |
| Likasi            | 92  | 10 | 55 S | 26  | 48 E |
| Lille             | 56  | 50 | 38N  | 3   | 3 E  |
| Lillehammer       | 61  | 61 | 8N   | 10  | 30 E |
| Lilloet           | 105 | 50 | 44N  | 121 | 57W  |
| Lilongwe          | 92  | 14 | 0 S  | 33  | 48 E |
| Lim Fjord         | 61  | 56 | 38N  | 8   | 23 E |
| Lima, Peru        | 108 | 12 | 0 S  | 77  | 0W   |
| Lima, U.S.A.      | 104 | 40 | 42N  | 84  | 5W   |
| Limassol          | 71  | 34 | 42N  | 33  | 1 E  |
| Limavady          | 50  | 55 | 3N   | 6   | 58W  |
| Limavady □        | 50  | 55 | 0N   | 6   | 58W  |
| Limbe             | 92  | 15 | 55 S | 35  | 2 E  |
| Limburg           | 52  | 50 | 22N  | 8   | 4 E  |
| Limburg □         | 52  | 51 | 20N  | 5   | 55 E |
| Limerick          | 51  | 52 | 40N  | 8   | 38W  |
| Limerick □        | 51  | 52 | 30N  | 8   | 50W  |
| Limoges           | 56  | 45 | 50N  | 1   | 15 E |
| Limón             | 107 | 10 | 0N   | 83  | 2W   |
| Limousin          | 56  | 46 | 0N   | 1   | 0 E  |
| Limpopo, R.       | 94  | 23 | 15 S | 32  | 5 E  |
| Limpfield         | 41  | 51 | 15N  | 0   | 1 E  |
| Limuru            | 93  | 1  | 2 S  | 36  | 35 E |
| Linares, Mexico   | 106 | 24 | 50N  | 99  | 40W  |
| Linares, Spain    | 60  | 38 | 10N  | 3   | 40W  |
| Lincoln, N.Z.     | 83  | 43 | 38 S | 172 | 30 E |
| Lincoln, U.K.     | 44  | 53 | 14N  | 0   | 32W  |
| Lincoln, U.S.A.   | 101 | 40 | 50N  | 96  | 42W  |
| Lincoln □         | 44  | 53 | 14N  | 0   | 32W  |
| Lincoln Sea       | 96  | 84 | 0N   | 55  | 0W   |
| Lincoln Wolds     | 44  | 53 | 20N  | 0   | 5W   |
| Lindi             | 93  | 9  | 58 S | 39  | 38 E |
| Lingen            | 52  | 52 | 32N  | 7   | 21 E |
| Lingfield         | 40  | 51 | 11N  | 0   | 1W   |
| Lingga Arch.      | 72  | 0  | 10 S | 104 | 30 E |
| Lingköping        | 61  | 58 | 28N  | 15  | 36 E |
| Linlithgow        | 47  | 55 | 58N  | 3   | 38W  |
| Linn, Mt.         | 105 | 40 | 0N   | 123 | 0W   |
| Linnhe, L.        | 48  | 56 | 36N  | 5   | 25W  |
| Linsia            | 73  | 35 | 50N  | 103 | 0 E  |
| Linz              | 54  | 48 | 18N  | 14  | 18 E |
| Lions, G. of      | 56  | 43 | 0N   | 4   | 0W   |
| Lipari, Is.       | 58  | 38 | 40N  | 15  | 0 E  |
| Liphook           | 40  | 51 | 04N  | 0   | 48W  |
| Lippe, R.         | 52  | 51 | 40N  | 7   | 20 E |
| Lira              | 93  | 2  | 17N  | 32  | 57 E |
| Liria             | 60  | 37 | 0N   | 0   | 35W  |
| Lisala            | 92  | 2  | 12N  | 21  | 38 E |
| Lisboa = Lisbon   | 38  | 48 | 42N  | 9   | 10W  |
| Lisbon            | 38  | 48 | 42N  | 9   | 10W  |
| Lisburn           | 50  | 54 | 30N  | 6   | 9W   |
| Lisburn □         | 50  | 54 | 30N  | 6   | 5W   |
| Lisdoonvarna      | 51  | 53 | 2N   | 9   | 18W  |
| Lisieux           | 56  | 49 | 10N  | 0   | 12 E |
| Liskeard          | 43  | 50 | 27N  | 4   | 29W  |
| Lismore, Austral. | 79  | 28 | 44 S | 153 | 21 E |
| Lismore, Ireland  | 51  | 52 | 8N   | 7   | 58W  |
| Lismore I.        | 48  | 56 | 30N  | 5   | 30W  |
| Lisnaskea         | 50  | 54 | 15N  | 7   | 27W  |
| Listowel          | 51  | 52 | 27N  | 9   | 30W  |
| Litherland        | 45  | 53 | 29N  | 3   | 0W   |
| Lithgow           | 79  | 33 | 25 S | 150 | 8 E  |

|                          |
|--------------------------|
| Lithuania S.S.R. □       |
| Litoměřice               |
| Little Carpathians, mts. |
| Little Karoo             |
| Little Laut Is.          |
| Little Lever             |
| Little Minch             |
| Little Ouse, R.          |
| Little River             |
| Little Rock              |
| Littleborough            |
| Littlehampton            |
| Littleport               |
| Liuchow                  |
| Liverpool, Austral.      |
| Liverpool, U.K.          |
| Liverpool Bay            |
| Liverpool Plains         |
| Liverpool Ra.            |
| Livesedge                |
| Livingstone, U.K.        |
| Livingstone, U.S.A.      |
| Livingstone              |
| Livingstone Mts.         |
| Livingstonia             |
| Livorno = Leghorn        |
| Liwale                   |
| Lizard                   |
| Lizard Pt.               |
| Ljubljana                |
| Ljusnan, R.              |
| Llanberis                |
| Llandaff                 |
| Llandovery               |
| Llanrindod Wells         |
| Llandudno                |
| Llandyssul               |
| Llanelli                 |
| Llanfyllin               |
| Llangefni                |
| Llangollen               |
| Llangurig                |
| Llanhilleth              |
| Llanidloes               |
| Llanishen                |
| Llano Estacado           |
| Llanos                   |
| Llanrwst                 |
| Llantrisant              |
| Llanrwst Major           |
| Llanwrtyd Wells          |
| Lleyn Peninsula          |
| Llobregat, R.            |
| Llwyn-y-pia              |
| Loanhead                 |
| Llobatse                 |
| Llobito                  |
| Llobstick L.             |
| Locarno                  |
| Lochaber                 |
| Lochalior                |
| Lochaline                |
| Lochboisdale             |
| Lochearnhead             |
| Lochgelly                |
| Lochgilphead             |
| Lochmaben                |
| Lochmaddy                |
| Lochnagar                |
| Lochranza                |
| Lochwinnoch              |
| Lochy, L.                |
| Lockerbie                |
| Lod                      |
| Loddon                   |
| Lodwar                   |
| Lödö                     |
| Loeriesfontein           |
| Lofoten Is.              |
| Lofthouse                |
| Lofus                    |
| Logan                    |
| Logan, Mt.               |
| Logroño                  |
| Loikaw                   |
| Loire, R.                |
| Lokeren                  |
| Lokichokio               |
| Lokka                    |
| Lokoja                   |
| Lomami, R.               |
| Lombardy                 |
| Lomblen, I.              |
| Lombok, I.               |
| Lomé                     |
| Lomond, L.               |
| Lomza                    |
| Londiani                 |
| London, Can.             |
| London, U.K.             |
| Londonderry              |
| Londonderry, Co.         |
| Long Ashton              |
| Long Beach               |
| Long Crendon             |
| Long Eaton               |
| Long I.                  |
| Long, L.                 |
| Long Melford             |
| Long Mynd                |
| Longbenton               |
| Longford                 |
| Longford □               |
| Longforgran              |
| Longlac                  |
| Longmont                 |
| Longreach                |
| Longridge                |
| Longton                  |
| Longtown                 |
| Longview                 |
| Lönigen                  |



# Lyonnais

|                   |    |    |     |     |      |
|-------------------|----|----|-----|-----|------|
| Lyonnais          | 56 | 45 | 45N | 4   | 15 E |
| Lyons             | 56 | 45 | 46N | 4   | 50 E |
| Lytham St. Anne's | 45 | 53 | 45N | 5   | 58W  |
| Lytelton          | 83 | 43 | 35S | 172 | 44 E |

# M

|                               |     |    |     |     |      |
|-------------------------------|-----|----|-----|-----|------|
| Maam Cross                    | 51  | 53 | 28N | 9   | 32W  |
| Ma'an                         | 71  | 30 | 12N | 35  | 44 E |
| Maanshan                      | 73  | 31 | 40N | 118 | 30 E |
| Maas, R.                      | 52  | 51 | 48N | 4   | 55 E |
| Maastricht                    | 52  | 50 | 50N | 5   | 40 E |
| Mablethorpe                   | 44  | 53 | 21N | 0   | 14 E |
| Mabua                         | 91  | 30 | 30N | 35  | 12 E |
| Macau                         | 73  | 22 | 16N | 113 | 35 E |
| Macclesfield                  | 44  | 53 | 16N | 2   | 9W   |
| McCook                        | 100 | 40 | 15N | 100 | 35W  |
| Macdonnell Ranges             | 78  | 23 | 40S | 133 | 0 W  |
| Macduff                       | 48  | 57 | 40N | 2   | 30W  |
| Maceio                        | 108 | 9  | 40S | 35  | 41W  |
| Macerata                      | 58  | 43 | 19N | 13  | 28 E |
| Macgillicuddy's Reeks, mts.   | 51  | 52 | 2N  | 9   | 45W  |
| Machakos                      | 93  | 1  | 30S | 37  | 15 E |
| Machen                        | 43  | 51 | 35N | 3   | 07W  |
| Machrihanish                  | 46  | 55 | 25N | 5   | 42W  |
| Machynlleth                   | 42  | 52 | 36N | 3   | 52W  |
| Macias Nguema Biyoga          | 88  | 3  | 30N | 8   | 40 E |
| Macintyre, R.                 | 79  | 28 | 37S | 149 | 40 W |
| Mackay                        | 79  | 21 | 8S  | 149 | 11 E |
| Mackay, L.                    | 78  | 22 | 30S | 129 | 0 E  |
| McKeesport                    | 104 | 40 | 21N | 79  | 50W  |
| Mackenzie                     | 98  | 55 | 20N | 123 | 05W  |
| Mackenzie Bay                 | 98  | 69 | 0N  | 137 | 30W  |
| Mackenzie Mts.                | 98  | 64 | 0N  | 130 | 0W   |
| Mackenzie, R., Austral.       | 79  | 23 | 38S | 148 | 46 E |
| Mackenzie, R., Can.           | 98  | 60 | 10N | 134 | 20W  |
| McKinley, Mt.                 | 98  | 63 | 10N | 151 | 0W   |
| McLaughlin                    | 105 | 45 | 50N | 100 | 50W  |
| Maclear                       | 94  | 31 | 25S | 28  | 23 E |
| McLennan                      | 98  | 55 | 42N | 116 | 50W  |
| McLeod, L.                    | 78  | 24 | 0S  | 113 | 50 E |
| McLure                        | 98  | 51 | 2N  | 120 | 13W  |
| McMinnville                   | 100 | 45 | 16N | 123 | 11W  |
| Macnean, L.                   | 50  | 54 | 19N | 7   | 52W  |
| Macon                         | 56  | 46 | 19N | 4   | 50 E |
| Macon                         | 101 | 32 | 50N | 83  | 37W  |
| McPherson                     | 100 | 38 | 25N | 97  | 40W  |
| Macquarie Is.                 | 23  | 50 | 0S  | 160 | 0 E  |
| Macroom                       | 51  | 51 | 54N | 8   | 57W  |
| Madagascar, I.                | 92  | 20 | 0S  | 47  | 49 E |
| Madang                        | 79  | 5  | 12S | 145 | 49 E |
| Madaoua                       | 90  | 14 | 5N  | 6   | 27 E |
| Madeira, R.                   | 108 | 5  | 30S | 61  | 20W  |
| Madera                        | 106 | 29 | 15N | 107 | 55W  |
| Madhya Pradesh                | 70  | 21 | 50N | 81  | 0 E  |
| Madinat al Shaab              | 71  | 12 | 50N | 45  | 0 E  |
| Madison                       | 101 | 43 | 5N  | 89  | 25W  |
| Madiun                        | 72  | 7  | 38S | 111 | 32 E |
| Madras                        | 70  | 13 | 8N  | 80  | 19 E |
| Madre, Sierra                 | 106 | 16 | 0N  | 93  | 0W   |
| Madrid                        | 60  | 40 | 25N | 3   | 45W  |
| Maebashi                      | 76  | 36 | 24N | 139 | 4 E  |
| Maerdy                        | 43  | 51 | 40N | 3   | 29W  |
| Maesteg                       | 43  | 51 | 36N | 3   | 40W  |
| Maevatanana                   | 92  | 16 | 56N | 46  | 49 E |
| Maefeking                     | 94  | 25 | 50S | 25  | 38 E |
| Mafia I.                      | 93  | 7  | 45S | 39  | 50 E |
| Magadan                       | 62  | 59 | 30N | 151 | 0 E  |
| Magadi                        | 93  | 1  | 54S | 36  | 19 W |
| Magdalen Is.                  | 99  | 47 | 30N | 61  | 40W  |
| Magdeburg                     | 54  | 52 | 8N  | 11  | 36 E |
| Magee, I.                     | 50  | 54 | 48N | 5   | 44W  |
| Magelang                      | 72  | 7  | 29S | 110 | 13 E |
| Magellan's Str.               | 108 | 52 | 30S | 75  | 0W   |
| Maggiore, L.                  | 58  | 46 | 0N  | 8   | 35 E |
| Maghâgha                      | 91  | 28 | 38N | 30  | 50 E |
| Maghera                       | 50  | 54 | 51N | 6   | 40W  |
| Magherafelt                   | 50  | 54 | 44N | 6   | 37W  |
| Magherafelt                   | 50  | 54 | 50N | 6   | 40W  |
| Maghull                       | 45  | 53 | 31N | 2   | 56W  |
| Maghitogorsk                  | 62  | 53 | 27N | 59  | 4 E  |
| Mahâbâd                       | 71  | 36 | 50N | 45  | 45 E |
| Mahagi                        | 93  | 2  | 20N | 31  | 0 E  |
| Mahalapye                     | 94  | 23 | 15S | 26  | 51 E |
| Mahanadi R.                   | 70  | 20 | 33N | 85  | 0 E  |
| Maharashtra                   | 70  | 19 | 30N | 75  | 30 E |
| Mahari Mts.                   | 93  | 6  | 20S | 30  | 0 E  |
| Mahé                          | 70  | 11 | 42N | 75  | 34 E |
| Mahenge                       | 93  | 8  | 45S | 36  | 35 E |
| Maheno                        | 83  | 45 | 10S | 170 | 50 E |
| Mahia Pen.                    | 83  | 39 | 59S | 177 | 55 E |
| Mahón                         | 60  | 39 | 50N | 4   | 18 E |
| Mai-Ndombe, L.                | 92  | 2  | 0S  | 18  | 0 E  |
| Maiden Newton                 | 43  | 50 | 46N | 2   | 35W  |
| Maidenhead                    | 41  | 51 | 31N | 0   | 42W  |
| Maidstone                     | 41  | 51 | 16N | 0   | 31 E |
| Maiduguri                     | 90  | 12 | 0N  | 13  | 20 E |
| Maimana                       | 71  | 35 | 53N | 64  | 38 E |
| Main Barrier Ra.              | 79  | 31 | 10S | 141 | 20 W |
| Main, R.                      | 54  | 50 | 13N | 11  | 0 E  |
| Maine                         | 101 | 45 | 20N | 69  | 0W   |
| Mainland, I., Orkneys, U.K.   | 49  | 59 | 0N  | 3   | 10W  |
| Mainland, I., Shetlands, U.K. | 49  | 60 | 15N | 1   | 22W  |
| Maintirano                    | 92  | 18 | 3S  | 44  | 1 E  |
| Mainz                         | 52  | 50 | 0N  | 8   | 17 E |
| Maiquetia                     | 107 | 10 | 36N | 66  | 57W  |
| Mainland                      | 79  | 32 | 44S | 151 | 36 E |
| Maiyema                       | 90  | 12 | 5S  | 4   | 25 E |
| Maizuru                       | 76  | 35 | 25N | 135 | 22 E |
| Majorca, I. = Mallorca, I.    | 60  | 39 | 30N | 3   | 0 E  |
| Majunga                       | 92  | 15 | 40S | 46  | 25 E |
| Makasar, Str. of              | 72  | 1  | 0S  | 118 | 20 W |
| Makeyevka                     | 62  | 48 | 0N  | 38  | 0 E  |
| Makgadikgadi Salt Pans        | 92  | 20 | 40S | 25  | 45 E |
| Makhachkala                   | 71  | 43 | 0N  | 47  | 15 E |
| Makó                          | 55  | 46 | 14N | 20  | 33 E |
| Makurazaki                    | 76  | 31 | 15N | 130 | 20 E |

Renamed Bioko  
Now Makikeng  
Renamed Mahajunga

|                       |     |    |     |     |      |
|-----------------------|-----|----|-----|-----|------|
| Makurdi               | 90  | 7  | 43N | 8   | 28 E |
| Mal B.                | 51  | 52 | 50N | 9   | 30W  |
| Malacca Coast         | 72  | 3  | 0N  | 101 | 0 E  |
| Malacca, Str. of      | 100 | 42 | 15N | 112 | 20W  |
| Malad City            | 60  | 42 | 40N | 0   | 30 E |
| Maladetta, Mt.        | 60  | 36 | 43N | 4   | 23W  |
| Málaga                | 51  | 53 | 26N | 6   | 10W  |
| Malahide              | 89  | 9  | 33N | 31  | 50 E |
| Malakal               | 72  | 7  | 59S | 112 | 35 E |
| Malang                | 92  | 9  | 30S | 16  | 17 E |
| Mälaren               | 61  | 59 | 30N | 17  | 10 E |
| Malatya               | 71  | 38 | 25N | 38  | 20 E |
| Malawi                | 93  | 13 | 0S  | 34  | 0 E  |
| Malaya                | 72  | 4  | 0N  | 102 | 0 E  |
| Malaya Vishera        | 61  | 58 | 55N | 32  | 25 E |
| Malbork               | 55  | 54 | 3N  | 19  | 10 E |
| Malcolm               | 78  | 28 | 51S | 121 | 25 E |
| Maldegem              | 52  | 51 | 14N | 3   | 26 E |
| Maldiva Is.           | 72  | 2  | 0N  | 73  | 0W   |
| Maldon                | 41  | 51 | 43N | 0   | 15 E |
| Malhiko, Sa. do       | 60  | 37 | 25S | 8   | 0W   |
| Malit                 | 88  | 15 | 0N  | 10  | 0W   |
| Malin Hd.             | 50  | 55 | 18N | 7   | 16W  |
| Malindi               | 93  | 3  | 12S | 40  | 5 E  |
| Mallaig               | 48  | 57 | 0N  | 5   | 50W  |
| Mallarranny           | 50  | 53 | 55N | 9   | 46W  |
| Mallawi               | 91  | 27 | 44N | 30  | 44 E |
| Mallorca, I.          | 60  | 39 | 30N | 3   | 0 E  |
| Mallow                | 51  | 52 | 8N  | 8   | 40W  |
| Malmesbury, S. Afr.   | 94  | 33 | 28S | 18  | 41 E |
| Malmesbury, U.K.      | 42  | 51 | 35N | 2   | 5W   |
| Malmö                 | 61  | 55 | 36N | 12  | 59 E |
| Malta                 | 58  | 35 | 50N | 14  | 30 E |
| Malton                | 44  | 54 | 9N  | 0   | 48W  |
| Malvern Hills         | 42  | 52 | 0N  | 2   | 19W  |
| Mambasa               | 93  | 1  | 22N | 29  | 3 E  |
| Mamfe                 | 90  | 5  | 50N | 9   | 15 E |
| Man, I. of            | 42  | 54 | 15N | 4   | 30W  |
| Manasar, Gulf of      | 70  | 8  | 30N | 79  | 0 E  |
| Managua               | 106 | 12 | 0N  | 86  | 20W  |
| Manakara              | 92  | 22 | 8S  | 48  | 1 E  |
| Manapouri             | 83  | 45 | 34S | 167 | 39 E |
| Manapouri, I.         | 83  | 45 | 32S | 167 | 32 E |
| Manaus                | 108 | 3  | 0S  | 60  | 0W   |
| Mancha, La            | 60  | 39 | 10N | 2   | 54W  |
| Manchester, U.K.      | 45  | 53 | 30N | 2   | 15W  |
| Manchester, U.S.A.    | 104 | 42 | 58N | 71  | 29W  |
| Manchouli             | 73  | 49 | 46N | 117 | 24 E |
| Manda                 | 93  | 10 | 30S | 34  | 40 E |
| Mandal                | 61  | 58 | 2N  | 7   | 25 E |
| Mandala               | 70  | 22 | 0N  | 96  | 10 E |
| Mandan                | 100 | 46 | 50N | 101 | 0W   |
| Manengouba Mts.       | 90  | 5  | 0N  | 9   | 45 E |
| Manfaliut             | 91  | 27 | 20N | 30  | 52 E |
| Manfredônia           | 58  | 41 | 40N | 15  | 55 E |
| Mangalore             | 70  | 12 | 55N | 74  | 47 E |
| Mangaweka             | 83  | 39 | 48S | 175 | 47 E |
| Mangole I.            | 72  | 1  | 50S | 125 | 55 E |
| Mangonui              | 83  | 35 | 1S  | 173 | 32 E |
| Mangotsfield          | 43  | 51 | 29N | 2   | 29W  |
| Mangyai               | 73  | 38 | 6N  | 91  | 37 E |
| Mangyshlak Pen.       | 71  | 43 | 40N | 52  | 30 E |
| Manhattan             | 101 | 39 | 10N | 96  | 40W  |
| Manihiki I.           | 22  | 10 | 24S | 161 | 1W   |
| Manila                | 72  | 14 | 40N | 121 | 3 E  |
| Manipur               | 70  | 24 | 30N | 94  | 0 E  |
| Manitoba              | 98  | 55 | 30N | 97  | 0W   |
| Manitoba, L.          | 98  | 51 | 0N  | 98  | 45S  |
| Manizales             | 107 | 5  | 5N  | 75  | 32W  |
| Manimup               | 78  | 34 | 15S | 116 | 6 E  |
| Mannheim              | 54  | 49 | 28N | 8   | 29 E |
| Mannin B.             | 51  | 53 | 27N | 10  | 04W  |
| Manningtree           | 40  | 51 | 56N | 1   | 3 E  |
| Manorhamilton         | 50  | 54 | 19N | 8   | 11W  |
| Mans, Le              | 56  | 48 | 0N  | 0   | 10 E |
| Mansel I.             | 99  | 62 | 0N  | 79  | 50W  |
| Mansfield, U.K.       | 44  | 53 | 8N  | 1   | 12W  |
| Mansfield, U.S.A.     | 104 | 40 | 45N | 82  | 30W  |
| Mantes-la-Jolie       | 56  | 49 | 0N  | 1   | 41 E |
| Mantiqueira, Serra da | 108 | 22 | 0S  | 44  | 0W   |
| Mantua                | 58  | 45 | 10N | 10  | 47 E |
| Manukau               | 83  | 37 | 1S  | 174 | 55 E |
| Manzara L.            | 93  | 3  | 40S | 35  | 50 E |
| Manyoni               | 93  | 5  | 45S | 34  | 55 E |
| Manzanar              | 60  | 39 | 0N  | 3   | 22W  |
| Manzanillo, Cuba      | 107 | 20 | 20N | 7   | 10W  |
| Manzanillo, Mexico    | 106 | 19 | 0N  | 104 | 20W  |
| Manzini               | 94  | 26 | 30S | 31  | 25 E |
| Maputo                | 94  | 25 | 58S | 32  | 32 E |
| Maputo R.             | 92  | 26 | 35S | 32  | 30 E |
| Mar del Plata         | 108 | 38 | 0S  | 57  | 30W  |
| Mar, Serra do         | 108 | 25 | 30S | 49  | 0W   |
| Mara                  | 93  | 1  | 30S | 34  | 32 E |
| Maracaibo             | 107 | 10 | 40N | 71  | 37W  |
| Maracaibo, L.         | 107 | 9  | 40N | 71  | 30W  |
| Maracay               | 107 | 10 | 15N | 67  | 36W  |
| Maradi                | 90  | 13 | 35N | 8   | 10 E |
| Maragheh              | 71  | 37 | 30N | 46  | 12 E |
| Marajo I.             | 108 | 1  | 0S  | 49  | 30W  |
| Maranhão = São Luis   | 108 | 4  | 31S | 44  | 16W  |
| Marañón, R.           | 108 | 4  | 50S | 75  | 35S  |
| Marazion              | 43  | 50 | 8N  | 5   | 29W  |
| Marbat                | 71  | 17 | 0N  | 54  | 45 S |
| Marbella              | 60  | 36 | 30N | 4   | 57W  |
| Marble Bar            | 78  | 21 | 9S  | 119 | 44 E |
| March                 | 40  | 52 | 33N | 0   | 5 E  |
| Marchena              | 60  | 37 | 18N | 5   | 23W  |
| Marches               | 58  | 43 | 22N | 13  | 10 E |
| Marce L.              | 48  | 57 | 40N | 5   | 30W  |
| Maréeba               | 79  | 16 | 59S | 145 | 28 E |
| Margaita I.           | 107 | 11 | 0N  | 64  | 0W   |
| Margate, S. Afr.      | 94  | 30 | 50S | 30  | 20 E |
| Margate, U.K.         | 40  | 51 | 23N | 1   | 24 E |
| Maria van Diemen, C.  | 83  | 34 | 29S | 172 | 40 W |
| Mariana Is.           | 23  | 17 | 0N  | 145 | 0 E  |
| Marianao              | 107 | 23 | 0N  | 82  | 24W  |
| Maribor               | 58  | 46 | 36N | 15  | 40 W |
| Maricourt             | 99  | 61 | 30N | 72  | 0W   |
| Marietta              | 101 | 34 | 0N  | 84  | 30W  |
| Marion                | 101 | 40 | 35N | 85  | 40W  |
| Maritime Alps         | 56  | 44 | 10N | 7   | 10 E |
| Market Deeping        | 45  | 52 | 40N | 0   | 20W  |

|                   |    |    |     |   |     |
|-------------------|----|----|-----|---|-----|
| Market Drayton    | 45 | 52 | 55N | 2 | 30W |
| Market Harborough | 45 | 52 | 29N | 0 | 55W |
| Market Rasen      | 44 | 53 | 24N | 0 | 20W |



# Millport

|                        |     |    |     |     |     |
|------------------------|-----|----|-----|-----|-----|
| Millport               | 47  | 55 | 45N | 4   | 55W |
| Millstreet             | 51  | 52 | 4N  | 9   | 5W  |
| Milltown Malbay        | 51  | 52 | 51N | 9   | 25W |
| Millnorth              | 47  | 56 | 14N | 3   | 25W |
| Millerton              | 94  | 33 | 54S | 18  | 29E |
| Millgavie              | 47  | 55 | 57N | 4   | 20W |
| Millrow                | 45  | 53 | 36N | 2   | 06W |
| Milton                 | 83  | 46 | 7S  | 169 | 59E |
| Milton Keynes          | 40  | 52 | 3N  | 0   | 42W |
| Millerton              | 43  | 51 | 2N  | 3   | 15W |
| Millwaukee             | 104 | 43 | 9N  | 87  | 58W |
| Minamata               | 76  | 32 | 10N | 130 | 30E |
| Mindanao, I.           | 72  | 8  | 0N  | 125 | 0E  |
| *Mindanao Sea          | 72  | 8  | 0N  | 124 | 0E  |
| Minden                 | 54  | 52 | 18N | 8   | 54E |
| Mindoro, I.            | 72  | 13 | 0N  | 121 | 0E  |
| Minthead               | 42  | 51 | 12N | 3   | 29W |
| Mineral Wells          | 100 | 32 | 50N | 98  | 5W  |
| Mingau                 | 99  | 50 | 50N | 64  | 0W  |
| Mingulay I.            | 49  | 56 | 50N | 7   | 40W |
| Minho                  | 60  | 41 | 25N | 8   | 20W |
| Minho, R.              | 60  | 41 | 58N | 8   | 40W |
| Minna                  | 90  | 9  | 37N | 6   | 30E |
| Minneapolis            | 101 | 44 | 58N | 93  | 20W |
| Minnesota              | 101 | 46 | 40N | 94  | 0W  |
| Minot                  | 100 | 48 | 10N | 101 | 15W |
| Minsk                  | 62  | 53 | 52N | 27  | 30E |
| Minsk Mazowiecki       | 55  | 52 | 10N | 21  | 33E |
| Mintlaw                | 48  | 57 | 32N | 1   | 59W |
| Minuf                  | 91  | 30 | 26N | 30  | 52E |
| Minya Konka, mt.       | 73  | 29 | 36N | 101 | 50E |
| Miquelon, I.           | 99  | 47 | 2N  | 56  | 20W |
| Mirny                  | 112 | 66 | 0S  | 95  | 0E  |
| Mirzapur               | 70  | 25 | 10N | 82  | 45E |
| Mishan                 | 73  | 45 | 31N | 132 | 2E  |
| Miskolc                | 55  | 48 | 7N  | 20  | 50E |
| Misool, I.             | 72  | 2  | 0S  | 130 | 0E  |
| Mississippi            | 101 | 33 | 0N  | 90  | 0W  |
| Mississippi, R.        | 101 | 29 | 0N  | 89  | 15W |
| Missoula               | 100 | 47 | 0N  | 114 | 0W  |
| Missouri               | 101 | 38 | 25N | 92  | 30W |
| Mississippi            | 99  | 51 | 0N  | 73  | 40W |
| Misurata               | 88  | 32 | 10N | 15  | 3E  |
| Mit Ghamr              | 91  | 30 | 42N | 31  | 12E |
| Mitchellean            | 43  | 51 | 51N | 2   | 29W |
| Mitchell, Austral.     | 79  | 26 | 29S | 147 | 58E |
| Mitchell, U.S.A.       | 100 | 43 | 40N | 98  | 0W  |
| Mitchell, R.           | 79  | 37 | 20S | 147 | 0E  |
| Mitchellstown, Ireland | 51  | 52 | 16N | 8   | 18W |
| Mito                   | 76  | 36 | 20N | 140 | 30E |
| Mittelland Kanal       | 52  | 52 | 23N | 7   | 45E |
| Miyako                 | 76  | 39 | 40N | 141 | 75E |
| Miyako-Jima            | 76  | 24 | 45N | 125 | 20E |
| Miyakonojo             | 76  | 31 | 32N | 131 | 5E  |
| Miyazaki               | 76  | 31 | 56N | 131 | 30E |
| Mizen Hd.              | 51  | 51 | 27N | 9   | 50W |
| Mizoram                | 70  | 23 | 0N  | 92  | 40E |
| Mjanji                 | 93  | 0  | 16N | 34  | 0E  |
| Mjosa                  | 61  | 60 | 40N | 11  | 0E  |
| Mkomanzi R.            | 94  | 30 | 13S | 30  | 57E |
| Mlawa                  | 55  | 53 | 9N  | 20  | 25E |
| Mme                    | 90  | 6  | 18N | 10  | 14E |
| Moate                  | 51  | 53 | 25N | 2   | 43W |
| Moba                   | 93  | 7  | 0S  | 29  | 48E |
| Moble                  | 101 | 30 | 41N | 88  | 0E  |
| Mobutu Sese Seko, L.   | 71  | 1  | 36N | 0   | 0E  |
| Mocha                  | 71  | 13 | 30N | 43  | 25E |
| Mochudi                | 94  | 24 | 27S | 26  | 7E  |
| Modbury                | 43  | 50 | 21N | 3   | 53W |
| Modderivier            | 94  | 29 | 2S  | 24  | 38E |
| Módena                 | 58  | 44 | 39N | 10  | 55E |
| Modesto                | 100 | 37 | 43N | 121 | 0W  |
| Moe                    | 79  | 38 | 12S | 146 | 19E |
| Moffat                 | 46  | 55 | 20N | 3   | 27W |
| Mogadiscio             | 89  | 2  | 2N  | 45  | 25E |
| Mogadishu = Mogadiscio | 89  | 2  | 2N  | 45  | 25E |
| Mogami-gawa, R.        | 76  | 38 | 45N | 140 | 0E  |
| Mogollon Mesa          | 100 | 35 | 0N  | 111 | 0W  |
| Mohil                  | 50  | 53 | 57N | 7   | 52W |
| Moidart                | 48  | 56 | 49N | 5   | 41W |
| Moitry                 | 73  | 47 | 40N | 73  | 45E |
| Moisie                 | 99  | 50 | 12N | 66  | 1W  |
| Mokai                  | 83  | 38 | 32S | 175 | 56E |
| Mokpo                  | 73  | 34 | 50N | 126 | 30E |
| Mol                    | 52  | 51 | 11N | 5   | 5E  |
| Mold                   | 42  | 53 | 10N | 3   | 10W |
| Moldavian S.S.R.       | 55  | 47 | 0N  | 28  | 0E  |
| Molde                  | 61  | 62 | 45N | 7   | 9E  |
| Mole, R.               | 41  | 51 | 13N | 0   | 15W |
| Molepolole             | 94  | 24 | 28S | 25  | 28E |
| Molfetta               | 58  | 41 | 12N | 16  | 35E |
| Molise                 | 58  | 41 | 45N | 14  | 30E |
| Mollendo               | 108 | 17 | 0S  | 72  | 0W  |
| Molopo, R.             | 94  | 25 | 40S | 24  | 30E |
| Molteno                | 94  | 31 | 22S | 26  | 22E |
| Molucca Sea            | 72  | 4  | 0S  | 124 | 0E  |
| Moluccas Is.           | 72  | 1  | 0S  | 127 | 0W  |
| Mombasa                | 93  | 4  | 2S  | 39  | 43E |
| Mombetsu               | 76  | 42 | 27N | 142 | 4E  |
| Mona Passage           | 107 | 18 | 0N  | 67  | 40W |
| Monaco                 | 56  | 43 | 46N | 7   | 23E |
| Monadliath Mts.        | 48  | 57 | 10N | 4   | 4W  |
| Monaghan               | 50  | 54 | 15N | 6   | 58W |
| Monaghan               | 50  | 54 | 10N | 7   | 0W  |
| Monarch Mt.            | 105 | 51 | 55N | 125 | 57W |
| Monasterevan           | 51  | 53 | 10N | 7   | 5W  |
| Moncayo, Sierra del    | 60  | 41 | 48N | 1   | 50W |
| Mönchengladbach        | 52  | 51 | 12N | 6   | 23E |
| Monclova               | 106 | 26 | 50N | 101 | 30W |
| Moncton                | 99  | 46 | 7N  | 64  | 51W |
| Mondego, R.            | 60  | 40 | 28N | 8   | 0W  |
| Mondovi                | 58  | 44 | 23N | 7   | 56E |
| Monemore               | 50  | 54 | 42N | 6   | 40W |
| Monforte               | 60  | 39 | 6N  | 7   | 25W |
| Mongalia               | 89  | 5  | 5S  | 31  | 55E |
| Monghyr                | 70  | 25 | 23N | 86  | 30E |
| Mongolia               | 73  | 47 | 0N  | 103 | 0E  |
| Mongu                  | 92  | 15 | 16S | 23  | 12E |
| Moniaiva               | 46  | 55 | 11N | 3   | 55W |
| Monifieth              | 46  | 56 | 30N | 2   | 48W |
| Monmouth               | 43  | 51 | 48N | 2   | 43W |

\* Renamed Bohol Sea

# New Alesford

|                           |     |    |     |     |     |
|---------------------------|-----|----|-----|-----|-----|
| Monópoli                  | 58  | 40 | 57N | 17  | 18E |
| Monroe                    | 101 | 32 | 32N | 92  | 4W  |
| Monrovia                  | 88  | 6  | 18N | 10  | 47W |
| Mons                      | 52  | 50 | 27N | 3   | 58E |
| Montagu                   | 94  | 33 | 45S | 20  | 8E  |
| Montana                   | 100 | 47 | 0N  | 110 | 0W  |
| Montargis                 | 56  | 48 | 0N  | 2   | 43E |
| Montauban                 | 56  | 44 | 0N  | 1   | 21E |
| Montceau-les-Mines        | 56  | 46 | 40N | 4   | 23E |
| Monte-Carlo               | 58  | 43 | 46N | 7   | 23E |
| Monte Cristi              | 107 | 19 | 52N | 71  | 39W |
| Montego B.                | 107 | 18 | 30N | 78  | 0W  |
| Montelimar                | 56  | 44 | 33N | 4   | 45E |
| Montemorelos              | 106 | 25 | 11N | 99  | 42W |
| Monterey                  | 106 | 25 | 40N | 100 | 30W |
| Monterrey                 | 108 | 16 | 30S | 43  | 50W |
| Montes Claros             | 108 | 34 | 50S | 56  | 11W |
| Montevideo                | 42  | 52 | 34N | 3   | 9W  |
| Montgomery, U.K.          | 101 | 32 | 20N | 86  | 20W |
| Montgomery, U.S.A.        | 56  | 46 | 22N | 2   | 36E |
| Montluçon                 | 79  | 24 | 52S | 151 | 12E |
| Monto                     | 100 | 42 | 15N | 111 | 20W |
| Montpelier, Idaho, U.S.A. | 104 | 44 | 15N | 72  | 38W |
| Montpelier, Vt., U.S.A.   | 56  | 43 | 37N | 3   | 52E |
| Montpellier               | 104 | 45 | 31N | 73  | 34W |
| Montréal                  | 54  | 46 | 26N | 6   | 55E |
| Montreux                  | 48  | 56 | 43N | 2   | 28W |
| Montrose, U.K.            | 100 | 38 | 30N | 107 | 52W |
| Montrose, U.S.A.          | 60  | 41 | 52N | 0   | 10E |
| Monzón                    | 78  | 29 | 50S | 117 | 35E |
| Moore, L.                 | 46  | 55 | 44N | 3   | 8W  |
| Moorfoot Hills            | 101 | 47 | 0N  | 97  | 0W  |
| Moorhead                  | 94  | 33 | 6S  | 18  | 38E |
| Moorreesburg              | 98  | 50 | 24N | 105 | 30W |
| Moorehead                 | 101 | 45 | 40N | 69  | 40W |
| Moosene                   | 99  | 51 | 17N | 80  | 39W |
| Moradabad                 | 70  | 28 | 50N | 78  | 50E |
| Morar L.                  | 48  | 56 | 57N | 5   | 40W |
| Morava, R.                | 54  | 49 | 50N | 16  | 50E |
| Moravian Hts.             | 54  | 49 | 30N | 15  | 40E |
| Moray Firth               | 48  | 57 | 50N | 3   | 30W |
| Morecambe                 | 44  | 54 | 5N  | 2   | 52W |
| Morecambe B.              | 44  | 54 | 7N  | 3   | 0W  |
| Moree                     | 79  | 29 | 28S | 149 | 54E |
| Morelia                   | 106 | 19 | 40N | 101 | 11W |
| Morella                   | 60  | 40 | 35N | 0   | 5W  |
| Morena, Sierra            | 60  | 38 | 20N | 4   | 0W  |
| Moreton-in-Marsh          | 42  | 51 | 59N | 1   | 42W |
| Moretonhampstead          | 43  | 50 | 39N | 3   | 45W |
| Morgan                    | 79  | 34 | 0S  | 139 | 35E |
| Morioka                   | 76  | 39 | 45N | 141 | 8E  |
| Morlaix                   | 56  | 48 | 36N | 3   | 52W |
| Morley                    | 45  | 53 | 45N | 1   | 36E |
| Moro G.                   | 72  | 6  | 30N | 123 | 0E  |
| Morobe                    | 79  | 7  | 49S | 147 | 38E |
| Morocco                   | 88  | 32 | 0N  | 5   | 50W |
| Morogoro                  | 93  | 6  | 50S | 37  | 40E |
| Morondava                 | 92  | 20 | 17S | 44  | 17E |
| Morotai, I.               | 72  | 2  | 10N | 128 | 30E |
| Moroto                    | 93  | 2  | 28N | 34  | 42E |
| Morpeth                   | 44  | 55 | 11N | 1   | 41W |
| Morrisville               | 83  | 37 | 40S | 175 | 32E |
| Morrison                  | 101 | 36 | 18N | 83  | 20W |
| Morven                    | 48  | 58 | 38N | 5   | 44W |
| Moscow                    | 78  | 10 | 15N | 146 | 22E |
| Mosborough                | 45  | 53 | 19N | 1   | 22W |
| Moscow                    | 100 | 46 | 45N | 116 | 59W |
| Moscow = Moskva           | 62  | 55 | 45N | 37  | 35E |
| Mosel, R.                 | 52  | 50 | 22N | 7   | 36E |
| Moselle, R.               | 56  | 50 | 22N | 7   | 36E |
| Moses Lake                | 100 | 47 | 16N | 119 | 17W |
| Mosgiel                   | 83  | 45 | 53S | 170 | 21E |
| Moshi                     | 93  | 3  | 22S | 37  | 18E |
| Mosjoen                   | 61  | 65 | 51N | 13  | 12E |
| Mossamedes                | 92  | 15 | 7S  | 12  | 11E |
| Mossburn                  | 83  | 45 | 41S | 168 | 15E |
| Mosselbaai                | 94  | 34 | 11S | 22  | 8E  |
| Mossend                   | 47  | 55 | 49N | 4   | 00W |
| Mossley                   | 45  | 53 | 31N | 2   | 1W  |
| Mossman                   | 79  | 16 | 28S | 145 | 23E |
| Mostaganem                | 88  | 35 | 54N | 0   | 5E  |
| Mostar                    | 58  | 43 | 22N | 17  | 50E |
| Mostrim                   | 51  | 53 | 42N | 7   | 38W |
| Mosty                     | 55  | 53 | 27N | 24  | 38E |
| Mosul                     | 71  | 36 | 20N | 43  | 5E  |
| Motherwell                | 47  | 55 | 48N | 4   | 0W  |
| Motril                    | 60  | 36 | 44N | 3   | 37W |
| Motueta                   | 83  | 41 | 7S  | 173 | 1E  |
| Moulmein                  | 70  | 16 | 30N | 97  | 40E |
| Mount Barker              | 78  | 34 | 38S | 117 | 40E |
| Mount Bellew              | 51  | 53 | 28N | 8   | 31W |
| Mount Gambier             | 79  | 37 | 50S | 140 | 46E |
| Mount Isa                 | 79  | 20 | 42S | 139 | 26E |
| Mount Lofty Ra.           | 79  | 34 | 35S | 139 | 5E  |
| Mountain Ash              | 43  | 51 | 42N | 3   | 22W |
| Mountmellick              | 51  | 53 | 7N  | 7   | 20W |
| Mountrath                 | 51  | 53 | 0N  | 7   | 30W |
| Mountrath                 | 43  | 50 | 3N  | 5   | 27W |
| Mourne Mts.               | 50  | 54 | 10N | 6   | 0W  |
| Mourne, R.                | 50  | 54 | 45N | 7   | 39W |
| Mouscron                  | 52  | 50 | 45N | 3   | 12E |
| Mouthora                  | 83  | 38 | 17S | 177 | 32E |
| Moville                   | 50  | 55 | 11N | 7   | 3W  |
| Moy, R.                   | 50  | 54 | 5N  | 8   | 50W |
| Moyale                    | 93  | 3  | 30N | 39  | 0E  |
| Moyle                     | 50  | 55 | 10N | 6   | 15W |
| Mozambique                | 92  | 15 | 3S  | 40  | 42E |
| Mozambique                | 92  | 19 | 0S  | 35  | 0E  |
| Mozambique Chan.          | 92  | 20 | 0S  | 39  | 0E  |
| Mpanda                    | 93  | 6  | 23S | 31  | 40E |
| Mporokoso                 | 93  | 9  | 25S | 30  | 5E  |
| Mpwapa                    | 93  | 6  | 30S | 36  | 30E |
| Mtwaru                    | 93  | 10 | 20S | 40  | 20E |
| Mubarratz                 | 71  | 25 | 29N | 49  | 40E |
| Mubende                   | 93  | 0  | 33N | 31  | 22E |
| Mubi                      | 90  | 10 | 18N | 13  | 16E |
| Much Wenlock              | 45  | 52 | 36N | 2   | 34W |
| Muck, I.                  | 48  | 56 | 50N | 6   | 15W |
| Mudge                     | 79  | 32 | 32S | 149 | 31E |
| Mueda                     | 93  | 11 | 36S | 39  | 28E |
| Muhammad Râs              | 91  | 27 | 50N | 34  | 0E  |

\*Renamed Namibe

|                       |     |    |     |     |     |
|-----------------------|-----|----|-----|-----|-----|
| Muir of Or.           | 48  | 57 | 30N | 4   | 35W |
| Muirkirk              | 46  | 55 | 31N | 4   | 6W  |
| Muizenberg            | 94  | 34 | 6S  | 18  | 28E |
| Mukachevo             | 55  | 48 | 27N | 22  | 41E |
| Mukden = Shenyang     | 73  | 41 | 35N | 123 | 30E |
| Mulde, R.             | 54  | 51 | 10N | 12  | 48E |
| Muleba                | 93  | 1  | 50S | 31  | 37E |
| Mülheim               | 52  | 51 | 68N | 6   | 53E |
| Mulhouse              | 56  | 47 | 40N | 7   | 10E |
| Mull I.               | 48  | 56 | 27N | 6   | 50W |
| Mull. Sound of        | 48  | 56 | 30N | 5   | 50W |
| Muller Ra.            | 79  | 5  | 30S | 143 | 0E  |
| Mullet Pen.           | 50  | 54 | 10N | 10  | 10E |
| Mullewa               | 78  | 28 | 29S | 115 | 30E |
| Mullingar             | 51  | 53 | 31N | 7   | 20W |
| Multan                | 71  | 30 | 15N | 71  | 30E |
| Mumbles               | 43  | 51 | 34N | 4   | 0W  |
| Mumbles Hd.           | 43  | 51 | 33N | 4   | 0W  |
| Muna, I.              | 72  | 5  | 0S  | 122 | 30E |
| München = Munich      | 54  | 48 | 8N  | 11  | 33E |
| Muncie                | 101 | 40 | 10N | 85  | 20W |
| Mundesley             | 40  | 52 | 53N | 1   | 24E |
| Mungindi              | 79  | 28 | 58S | 149 | 1E  |
| Munich                | 54  | 48 | 8N  | 11  | 33E |
| Münster               | 52  | 51 | 58N | 7   | 10E |
| Munster □             | 51  | 52 | 20N | 8   | 40W |
| Mur, R.               | 54  | 47 | 7N  | 13  | 55E |
| Murang'a              | 93  | 0  | 45S | 37  | 55E |
| Murchison             | 83  | 41 | 49S | 172 | 21E |
| Murchison, R.         | 78  | 26 | 45S | 116 | 15E |
| Murchison Ra.         | 78  | 20 | 0S  | 134 | 10E |
| Murcia                | 60  | 38 | 2N  | 1   | 10W |
| Murcia □              | 60  | 37 | 50N | 1   | 30W |
| Mures R.              | 55  | 46 | 0N  | 22  | 0E  |
| Murgon                | 79  | 26 | 15S | 151 | 54E |
| Mürztz, L.            | 54  | 53 | 25N | 12  | 40E |
| Murmansk              | 61  | 68 | 57N | 33  | 10E |
| Muroran               | 76  | 42 | 25N | 141 | 0E  |
| Murray Bridge         | 79  | 35 | 6S  | 139 | 14E |
| Murray, R.            | 79  | 35 | 0S  | 139 | 12E |
| Murumbidgee           | 79  | 31 | 58S | 23  | 0E  |
| Murumbidgee, R.       | 79  | 34 | 40S | 143 | 0E  |
| Murshid               | 91  | 21 | 40N | 31  | 10E |
| Murton                | 44  | 54 | 51N | 1   | 22W |
| Mururapa              | 83  | 38 | 28S | 176 | 42E |
| Murwara               | 70  | 23 | 46N | 80  | 28E |
| Murwillumbah          | 79  | 28 | 18S | 153 | 27E |
| Muş                   | 71  | 38 | 45S | 41  | 30E |
| Musa, G.              | 79  | 28 | 32N | 33  | 59E |
| Muscata               | 71  | 23 | 40N | 58  | 38E |
| Musgrave Ras.         | 78  | 26 | 0S  | 132 | 0E  |
| Mushin                | 90  | 6  | 32N | 3   | 21E |
| Muskegon              | 104 | 43 | 15N | 86  | 17E |
| Muskegoe              | 101 | 35 | 50N | 28  | 32E |
| Musoma                | 93  | 1  | 30S | 33  | 48E |
| Musselburgh           | 47  | 55 | 57N | 3   | 3W  |
| Mussellsell, R.       | 100 | 47 | 21N | 07  | 58W |
| Musselbrook           | 79  | 32 | 16S | 150 | 56E |
| Müt                   | 91  | 25 | 28N | 28  | 58E |
| Mutankiang            | 73  | 44 | 35N | 129 | 30E |
| Mutsu-Wan             | 76  | 41 | 5N  | 140 | 55E |
| Muzaffarpur           | 70  | 26 | 7N  | 85  | 32E |
| Mwanza                | 93  | 2  | 30S | 32  | 58E |
| Mwaya                 | 93  | 9  | 32S | 33  | 55E |
| Mweelrea              | 51  | 53 | 37N | 9   | 48W |
| Mweru, L.             | 92  | 9  | 0S  | 29  | 0E  |
| Mwirasandu            | 93  | 0  | 56S | 30  | 22E |
| Mybster               | 48  | 58 | 27N | 3   | 24W |
| Mykyna                | 70  | 25 | 30N | 29  | 25E |
| Myvndd Prescelly, mt. | 42  | 51 | 57N | 4   | 48W |
| Mysoere               | 70  | 12 | 17N | 76  | 41E |
| Mytholmroyd           | 45  | 53 | 43N | 1   | 59W |
| Mzimba                | 94  | 31 | 35S | 29  | 35E |



## New Amsterdam

|                          |     |    |     |     |      |
|--------------------------|-----|----|-----|-----|------|
| New Amsterdam            | 107 | 6  | 15N | 57  | 30W  |
| New Bedford              | 104 | 41 | 40N | 70  | 52W  |
| New Braunfels            | 100 | 29 | 43N | 98  | 9W   |
| New Brighton, N.Z.       | 83  | 43 | 29S | 172 | 43 E |
| New Brighton, U.K.       | 45  | 53 | 27N | 3   | 2W   |
| New Britain              | 104 | 41 | 41N | 72  | 47W  |
| New Britain, I.          | 79  | 5  | 50S | 150 | 20 E |
| New Brunswick □          | 99  | 46 | 50N | 66  | 30W  |
| New Bussa                | 90  | 9  | 53N | 4   | 31 E |
| New Caledonia, I.        | 23  | 21 | 0 S | 165 | 0 E  |
| New Castile              | 60  | 39 | 45N | 3   | 20W  |
| New Castle               | 104 | 39 | 55N | 85  | 23W  |
| New Cumnock              | 46  | 55 | 24N | 4   | 13W  |
| New Deer                 | 48  | 57 | 30N | 2   | 10W  |
| New England Ra.          | 79  | 30 | 20S | 151 | 45 E |
| New Forest               | 40  | 50 | 53N | 1   | 40W  |
| New Guinea, I.           | 79  | 4  | 0 S | 136 | 0 E  |
| New Hampshire □          | 101 | 43 | 40N | 71  | 40W  |
| New Haven                | 104 | 41 | 20N | 72  | 54W  |
| New Hebrides, Is.        | 23  | 15 | 0 S | 168 | 0 E  |
| New Ireland, I.          | 79  | 3  | 20S | 151 | 50 E |
| New Jersey □             | 101 | 39 | 50N | 74  | 10W  |
| New Mexico □             | 100 | 34 | 30N | 106 | 0W   |
| New Mills                | 45  | 53 | 22N | 2   | 0W   |
| New Norfolk              | 79  | 42 | 46S | 147 | 2 E  |
| New Orleans              | 101 | 30 | 0N  | 90  | 5W   |
| New Plymouth             | 83  | 39 | 4S  | 174 | 5 E  |
| New Quay                 | 42  | 52 | 13N | 4   | 21W  |
| New Romney               | 40  | 50 | 59N | 0   | 57 E |
| New Sauchie              | 47  | 56 | 08N | 3   | 48W  |
| New Scone                | 47  | 56 | 25N | 3   | 24W  |
| New Siberian Is.         | 62  | 75 | 0N  | 140 | 0 E  |
| New Silksworth           | 44  | 54 | 52N | 1   | 24W  |
| New South Wales □        | 79  | 33 | 0 S | 146 | 0 E  |
| New Tredegar             | 43  | 41 | 53N | 3   | 15W  |
| New Westminster          | 105 | 49 | 13N | 122 | 55W  |
| New York □               | 101 | 42 | 40N | 76  | 0W   |
| New York City            | 104 | 40 | 45N | 74  | 0W   |
| New Zealand ■            | 83  | 40 | 0 S | 176 | 0 E  |
| Newark                   | 104 | 40 | 41N | 74  | 12W  |
| Newark-on-Trent          | 44  | 53 | 6N  | 0   | 48W  |
| Newbiggin-by-the-Sea     | 44  | 55 | 12N | 1   | 31W  |
| Newbridge-on-Wye         | 44  | 52 | 13N | 3   | 27W  |
| Newburgh, Fife, U.K.     | 47  | 56 | 21N | 3   | 15W  |
| Newburgh, Grampian, U.K. | 48  | 57 | 19N | 2   | 0W   |
| Newburn                  | 40  | 54 | 57N | 1   | 45W  |
| Newbury                  | 40  | 51 | 24N | 1   | 19W  |
| Newcastle, Austral.      | 79  | 33 | 0 S | 151 | 40 E |
| Newcastle, Ireland       | 50  | 53 | 58N | 6   | 4W   |
| Newcastle, S. Afr.       | 94  | 27 | 45S | 29  | 58 E |
| Newcastle, U.K.          | 50  | 54 | 13N | 5   | 54W  |
| Newcastle Emlyn          | 42  | 52 | 2N  | 4   | 29W  |
| Newcastle-under-Lyme     | 44  | 53 | 2N  | 2   | 15W  |
| Newcastle-upon-Tyne      | 44  | 54 | 59N | 1   | 37W  |
| Newcastle Waters         | 78  | 17 | 30S | 133 | 28 E |
| Newcastle West           | 51  | 52 | 27N | 9   | 3W   |
| Newdegate                | 78  | 33 | 6 S | 119 | 0 E  |
| Newham                   | 41  | 51 | 31N | 0   | 2 E  |
| Newhaven                 | 40  | 50 | 47N | 0   | 4 E  |
| Newmains                 | 47  | 55 | 46N | 3   | 53W  |
| Newman, Mt.              | 78  | 23 | 20S | 119 | 34 E |
| Newmarket, Ireland       | 51  | 52 | 13N | 9   | 0W   |
| Newmarket, U.K.          | 40  | 52 | 15N | 0   | 23 E |
| Newmarket-on-Fergus      | 51  | 52 | 46N | 8   | 54W  |
| Newmilns                 | 47  | 55 | 36N | 4   | 20W  |
| Newnham                  | 43  | 51 | 48N | 2   | 27W  |
| Newport, Ireland         | 50  | 53 | 53N | 9   | 32W  |
| Newport, Gwent, U.K.     | 43  | 51 | 35N | 3   | 0W   |
| Newport, I. of W., U.K.  | 50  | 50 | 42N | 1   | 18W  |
| Newport, U.S.A.          | 101 | 39 | 5N  | 84  | 23W  |
| Newport B.               | 50  | 53 | 52N | 9   | 38W  |
| Newport News             | 101 | 37 | 2N  | 76  | 30W  |
| Newport on Tay           | 47  | 56 | 27N | 2   | 56W  |
| Newport Pagnell          | 40  | 52 | 5N  | 0   | 42W  |
| Newquay                  | 43  | 50 | 24N | 5   | 6W   |
| Newry                    | 50  | 54 | 10N | 6   | 20W  |
| Newry & Mourne □         | 50  | 54 | 10N | 6   | 15W  |
| Newton Abbot             | 43  | 50 | 32N | 3   | 37W  |
| Newton-Aycliffe          | 44  | 54 | 36N | 1   | 33W  |
| Newton le Willows        | 45  | 53 | 28N | 2   | 27W  |
| Newton Mearns            | 47  | 55 | 46N | 4   | 20W  |
| Newton Stewart           | 46  | 54 | 57N | 4   | 30W  |
| Newtonabbey □            | 50  | 54 | 45N | 6   | 4W   |
| Newtongrange             | 47  | 55 | 52N | 3   | 4W   |
| Newtown                  | 42  | 52 | 31N | 3   | 19W  |
| Newtown Hamilton         | 50  | 54 | 12N | 6   | 35W  |
| Newtownabbey             | 50  | 54 | 40N | 5   | 55W  |
| Newtownards              | 50  | 54 | 37N | 5   | 40W  |
| Newtownstewart           | 50  | 54 | 43N | 7   | 22W  |
| Neyland                  | 42  | 51 | 43N | 4   | 58W  |
| Neyshābūr                | 71  | 36 | 10N | 58  | 20 E |
| Ngapara                  | 83  | 44 | 57S | 170 | 46 E |
| Ngozi                    | 93  | 2  | 54S | 29  | 50 E |
| Nguru                    | 90  | 12 | 56N | 10  | 29 E |
| Niagara Falls            | 104 | 43 | 7N  | 79  | 5W   |
| Niaméy                   | 90  | 13 | 27N | 2   | 6 E  |
| Niangara                 | 92  | 3  | 50N | 27  | 50 E |
| Nias, I.                 | 72  | 1  | 0 N | 97  | 40 E |
| Nicaragua ■              | 106 | 11 | 40N | 85  | 30W  |
| Nicastro                 | 58  | 39 | 0N  | 16  | 18 E |
| Nice                     | 56  | 43 | 42N | 7   | 14 E |
| Nicobar Is.              | 71  | 35 | 10N | 93  | 0 E  |
| Nicosia                  | 71  | 35 | 10N | 93  | 25 E |
| Nidd, R.                 | 44  | 54 | 1N  | 1   | 32W  |
| Niers, R.                | 52  | 51 | 35N | 6   | 13 E |
| Nigel                    | 94  | 26 | 27S | 28  | 25 E |
| Niger ■                  | 88  | 13 | 30N | 10  | 0 E  |
| Niger Delta              | 90  | 4  | 0 N | 5   | 30W  |
| Niger, R.                | 90  | 10 | 0 N | 4   | 40 E |
| Nigeria ■                | 90  | 8  | 30N | 8   | 0 E  |
| Nightcaps                | 83  | 45 | 57S | 168 | 14 E |
| Niigata                  | 76  | 37 | 58N | 139 | 0 E  |
| Niihama                  | 76  | 33 | 55N | 133 | 10 E |
| Nijkerk                  | 52  | 52 | 13N | 5   | 30 E |
| Nijmegen                 | 52  | 51 | 50N | 5   | 52 E |
| Nikkō                    | 76  | 36 | 45N | 139 | 35 E |
| Nikolayev                | 62  | 46 | 58N | 32  | 7 E  |
| Nikolayevski             | 62  | 50 | 10N | 45  | 35 E |
| Nile, R.                 | 91  | 27 | 30N | 30  | 30 E |
| Nilgiri Hills            | 70  | 11 | 30N | 76  | 30 E |
| Nimes                    | 56  | 43 | 50N | 4   | 23 E |
| Ningpo                   | 73  | 29 | 53N | 121 | 33 E |

|                          |     |    |     |     |      |
|--------------------------|-----|----|-----|-----|------|
| Ningsia Hui A.R. □       | 73  | 37 | 45N | 106 | 0 E  |
| Ningteh                  | 73  | 26 | 45N | 120 | 0 E  |
| Ninove                   | 52  | 50 | 51N | 4   | 2 E  |
| Niort                    | 56  | 46 | 19N | 0   | 29W  |
| Nipigon, L.              | 98  | 49 | 50N | 88  | 30W  |
| Nishinoomote             | 76  | 30 | 43N | 130 | 59 E |
| Niterói                  | 108 | 22 | 52S | 43  | 0W   |
| Niith, R.                | 46  | 55 | 20N | 3   | 5W   |
| Nithsdale                | 46  | 55 | 14N | 3   | 50W  |
| Nivelles                 | 52  | 50 | 35N | 4   | 20 E |
| Nivernais                | 56  | 47 | 0N  | 3   | 40 E |
| Nizanghat                | 70  | 28 | 20N | 95  | 45 E |
| Nizhniy Tagil            | 62  | 57 | 55N | 59  | 57 E |
| Njombe                   | 93  | 9  | 20S | 34  | 50 E |
| Nkhata Bay               | 93  | 11 | 33S | 34  | 16 E |
| Nkongsamba               | 90  | 4  | 55N | 9   | 55 E |
| Nobeoka                  | 76  | 32 | 36N | 131 | 41 E |
| Nocera Umbra             | 58  | 43 | 8N  | 12  | 47 E |
| Nogales, Mexico          | 106 | 31 | 36N | 94  | 29W  |
| Nogales, U.S.A.          | 100 | 31 | 20N | 110 | 56W  |
| Noirmoutier, I. de       | 56  | 46 | 58N | 2   | 10W  |
| Nome                     | 96  | 64 | 30N | 165 | 30W  |
| Noord Brabant □          | 52  | 51 | 40N | 5   | 0 E  |
| Noord Holland □          | 52  | 52 | 30N | 4   | 45 E |
| Noordbeveland            | 52  | 51 | 45N | 3   | 50 E |
| Nootka I.                | 105 | 49 | 40N | 126 | 50W  |
| Nordeg                   | 98  | 52 | 29N | 116 | 5W   |
| Nordhausen               | 54  | 51 | 29N | 10  | 47 E |
| Nordhorn                 | 52  | 52 | 27N | 7   | 4 E  |
| Nordkinn                 | 61  | 71 | 31N | 28  | 0 E  |
| Nore R.                  | 51  | 52 | 40N | 7   | 20W  |
| Norfolk                  | 101 | 36 | 52N | 76  | 15W  |
| Norfolk □                | 40  | 52 | 39N | 1   | 0 E  |
| Norfolk I.               | 23  | 28 | 58S | 168 | 3 E  |
| Norham                   | 46  | 55 | 44N | 2   | 9W   |
| Norilsk                  | 62  | 69 | 20N | 88  | 0 E  |
| Norman Wells             | 98  | 65 | 17N | 126 | 45W  |
| Normandy                 | 56  | 48 | 45N | 0   | 10 E |
| Normanton, Austral.      | 79  | 17 | 40S | 141 | 10 E |
| Normanton, U.K.          | 45  | 53 | 41N | 1   | 26W  |
| Norrköping               | 61  | 58 | 37N | 16  | 11 E |
| Norrland □               | 61  | 66 | 50N | 18  | 0 E  |
| Norseman                 | 78  | 32 | 8S  | 121 | 43 E |
| North Battleford         | 98  | 52 | 50N | 108 | 17W  |
| North Bay                | 99  | 46 | 20N | 79  | 30W  |
| North Bend               | 100 | 43 | 28N | 124 | 7W   |
| North Berwick            | 46  | 56 | 4N  | 2   | 44W  |
| North C.                 | 83  | 34 | 23S | 177 | 4 E  |
| North Cape               | 61  | 71 | 15N | 25  | 40 E |
| North Carolina □         | 101 | 35 | 30N | 80  | 0W   |
| North Channel            | 32  | 55 | 0N  | 5   | 30W  |
| North Dakota □           | 100 | 47 | 30N | 100 | 0W   |
| N. Dorset Downs          | 43  | 50 | 50N | 2   | 30W  |
| North Down □             | 50  | 54 | 40N | 5   | 45W  |
| North Downs              | 41  | 51 | 17N | 0   | 30 E |
| North Esk, R.            | 48  | 56 | 44N | 2   | 25W  |
| North European Plain     | 24  | 55 | 0N  | 20  | 0 E  |
| N. Foreland              | 40  | 51 | 22N | 1   | 28 E |
| North Island             | 83  | 38 | 0 S | 176 | 0 E  |
| North Kessock            | 48  | 57 | 30N | 4   | 15W  |
| North Korea ■            | 73  | 40 | 0N  | 127 | 0 E  |
| North Minch              | 48  | 58 | 5N  | 5   | 55W  |
| North Pagai, I.          | 72  | 2  | 45S | 100 | 15 E |
| North Platte             | 100 | 41 | 10N | 100 | 0W   |
| North Pole               | 112 | 90 | 0N  | 0   | 0 E  |
| North Queensferry        | 47  | 56 | 1N  | 3   | 22W  |
| North Rhine Westphalia □ | 54  | 51 | 55N | 7   | 0 E  |
| North Ronaldsay, I.      | 49  | 59 | 20N | 2   | 30W  |
| North Sea                | 24  | 56 | 0N  | 4   | 0 E  |
| North Shields            | 44  | 55 | 00N | 1   | 26W  |
| N. Taranaki Bt.          | 83  | 38 | 45S | 174 | 20 E |
| North Tawton             | 43  | 50 | 48N | 3   | 55W  |
| North Tidworth           | 42  | 51 | 14N | 1   | 40W  |
| North Uist I.            | 49  | 57 | 40N | 7   | 15W  |
| North Vancouver          | 105 | 49 | 20N | 123 | 3W   |
| North Walsham            | 40  | 52 | 49N | 1   | 22 E |
| North Weald Bassett      | 41  | 51 | 42N | 0   | 10 E |
| North West Highlands     | 48  | 57 | 35N | 5   | 2W   |
| North West River         | 99  | 53 | 30N | 60  | 10W  |
| North York Moors         | 44  | 54 | 25N | 0   | 50W  |
| North Yorkshire □        | 44  | 54 | 15N | 1   | 25W  |
| Northallerton            | 44  | 54 | 20N | 1   | 26W  |
| Northampton, Austral.    | 78  | 31 | 35S | 116 | 42 E |
| Northam, U.K.            | 43  | 51 | 2N  | 4   | 13W  |
| Northampton, Austral.    | 78  | 28 | 21S | 114 | 33 E |
| Northampton, U.K.        | 40  | 52 | 14N | 0   | 54W  |
| Northampton □            | 40  | 52 | 16N | 0   | 55W  |
| Northern Ireland □       | 50  | 54 | 45N | 7   | 0W   |
| Northern Territory □     | 78  | 16 | 0 S | 133 | 0 E  |
| Northfleet               | 41  | 51 | 26N | 0   | 20 E |
| Northiam                 | 40  | 50 | 59N | 0   | 39 E |
| Northland □              | 83  | 35 | 30S | 173 | 30 E |
| Northleach               | 42  | 51 | 49N | 1   | 50W  |
| Northwram                | 45  | 53 | 44N | 1   | 50W  |
| Northumberland □         | 44  | 55 | 12N | 2   | 0W   |
| Northwest Terr. □        | 98  | 65 | 0N  | 100 | 0W   |
| Northwich                | 44  | 53 | 16N | 2   | 30W  |
| Norton                   | 44  | 54 | 3N  | 0   | 48W  |
| Norton Sd.               | 98  | 64 | 0N  | 165 | 0W   |
| Norway ■                 | 61  | 67 | 0N  | 11  | 0 E  |
| Norwich                  | 40  | 52 | 38N | 1   | 17 E |
| Noshiro                  | 76  | 40 | 12N | 140 | 0 E  |
| Nossob, R.               | 94  | 25 | 15S | 20  | 30 E |
| Notec, R.                | 54  | 52 | 50N | 16  | 0 E  |
| Nottingham               | 44  | 52 | 57N | 1   | 10W  |
| Nottingham □             | 44  | 53 | 10N | 1   | 0W   |
| Nouadhibou               | 88  | 21 | 0N  | 17  | 0W   |
| Nouméa                   | 23  | 22 | 17S | 166 | 30 E |
| Noupoort                 | 94  | 31 | 10S | 24  | 57 E |
| Nova Scotia □            | 99  | 45 | 10N | 63  | 0W   |
| Novara                   | 58  | 45 | 27N | 8   | 36 E |
| Novaya Zemlya            | 62  | 75 | 0N  | 56  | 0 E  |
| Novgorod                 | 61  | 58 | 30N | 31  | 25 E |
| Novi Sad                 | 55  | 45 | 18N | 19  | 52 E |
| Novograd Volynskiy       | 55  | 50 | 40N | 27  | 35 E |
| Novokuznetsk             | 62  | 54 | 0N  | 87  | 10 E |
| Novorossiysk             | 62  | 44 | 43N | 37  | 52 E |
| Novosibirsk              | 62  | 55 | 0N  | 83  | 5 E  |
| Novska                   | 58  | 45 | 19N | 17  | 0 E  |
| Novra                    | 79  | 34 | 53S | 150 | 35 E |
| Nowy Sacz                | 55  | 49 | 40N | 20  | 41 E |
| Nowy Tomyśl              | 54  | 52 | 19N | 16  | 10 E |

Nsukka  
Nubian Desert  
Nueva Rosita  
Nuevo Laredo  
Nugrus, Gebel  
Nuhaka  
Nullagine  
Nullarbor Plain  
Numan  
Numazu  
Nuneaton  
Nunivak I.  
Nunki-ang  
Nuoro  
Nuremberg  
Nürnberg = Nuremberg  
Nusa Tenggara □  
Nusaybin  
Nushki  
Nuwefeldberge  
Nyabing  
Nyahanga  
Nyahururu  
Nyanakanzi  
Nyakanyasi  
Nyāla  
Nyanza  
Nyasa, L.  
Nyenchén, mts.  
Nyeri  
Nyiregyháza  
Nylstroom  
Nyngan  
Nzega  
Nzubuka



|                        |     |    |      |     |      |
|------------------------|-----|----|------|-----|------|
| Otaru                  | 76  | 43 | 10N  | 141 | 0 E  |
| Otavi                  | 92  | 19 | 40 S | 17  | 24 E |
| Oxford                 | 41  | 51 | 18N  | 0   | 11 E |
| Otira Gorge            | 83  | 42 | 53 S | 171 | 33 E |
| Otley                  | 45  | 53 | 54N  | 1   | 41 W |
| Otoineppu              | 76  | 44 | 44N  | 142 | 16 E |
| Otorohanga             | 32  | 38 | 12 S | 175 | 14 E |
| Otranto, Str. of       | 58  | 40 | 15 N | 18  | 40 E |
| Ottawa Is.             | 104 | 45 | 27N  | 75  | 42W  |
| Ottawa Is.             | 99  | 59 | 35N  | 80  | 16W  |
| Otterby St. Mary       | 43  | 50 | 45N  | 3   | 16W  |
| Otutupa                | 90  | 7  | 9N   | 7   | 41 E |
| Oturkpo                | 90  | 7  | 10N  | 8   | 15 E |
| Otwork                 | 55  | 52 | 5N   | 21  | 20 E |
| Ouachita Mts.          | 101 | 34 | 50N  | 94  | 30W  |
| Ouagadougou            | 88  | 12 | 25N  | 1   | 30W  |
| Oude Rijn, R.          | 52  | 52 | 12N  | 4   | 24 E |
| Oudtshoorn             | 94  | 33 | 35 S | 22  | 14 E |
| Oughter, L.            | 50  | 54 | 2N   | 7   | 30W  |
| Ougrée                 | 52  | 50 | 36N  | 5   | 32 E |
| Ouidah                 | 90  | 6  | 25N  | 2   | 0 E  |
| Oujda □                | 88  | 33 | 18N  | 1   | 25W  |
| Oulton Broad           | 40  | 52 | 28N  | 1   | 43 E |
| Oulu                   | 61  | 65 | 1N   | 25  | 29 E |
| Oundlé                 | 61  | 64 | 25N  | 27  | 0 E  |
| Ourlé                  | 40  | 52 | 28N  | 0   | 28W  |
| Our, R.                | 52  | 49 | 55N  | 5   | 5 E  |
| Ourthe, R.             | 52  | 50 | 29N  | 5   | 35 E |
| Ouse, Great, R.        | 40  | 52 | 12N  | 0   | 7 E  |
| Ouse, Little, R.       | 40  | 52 | 25N  | 0   | 20 E |
| Ouse, R., Sussex, U.K. | 40  | 50 | 43N  | 0   | 3 E  |
| Ouse, R., Yorks., U.K. | 44  | 54 | 3N   | 0   | 7 E  |
| Outer Hebrides, Is.    | 49  | 57 | 30N  | 7   | 40W  |
| Ouyen                  | 79  | 35 | 1 S  | 142 | 22 E |
| Ovar                   | 60  | 40 | 51N  | 8   | 40W  |
| Overflakkee            | 52  | 51 | 44N  | 4   | 10 E |
| Oversijssel □          | 52  | 52 | 55N  | 6   | 35 E |
| Oviedo                 | 60  | 43 | 25N  | 5   | 50W  |
| Owaka                  | 83  | 46 | 27 S | 169 | 40 E |
| Owambo                 | 92  | 17 | 20 S | 16  | 30 E |
| Owase                  | 76  | 34 | 7N   | 136 | 0 E  |
| Owatonna               | 101 | 44 | 3N   | 93  | 17W  |
| Owen Falls             | 93  | 0  | 30N  | 33  | 5 E  |
| Owen Stanley Range     | 79  | 8  | 30 S | 147 | 0 E  |
| Owens L.               | 105 | 36 | 20N  | 118 | 0 W  |
| Owerri                 | 90  | 5  | 29N  | 7   | 0 E  |
| Owo                    | 90  | 7  | 18N  | 5   | 30 E |
| Owosso                 | 101 | 43 | 0N   | 84  | 10W  |
| Oxenhope               | 45  | 53 | 48N  | 1   | 57W  |
| Oxford, N.Z.           | 83  | 43 | 18 S | 172 | 11 E |
| Oxford, U.K.           | 40  | 51 | 45N  | 1   | 15W  |
| Oxford □               | 40  | 51 | 45N  | 1   | 15W  |
| Oxted                  | 41  | 51 | 14N  | 0   | 01W  |
| Oykel, R.              | 48  | 57 | 55N  | 4   | 26W  |
| Oyo                    | 90  | 7  | 46N  | 3   | 56 E |
| Oyonnax                | 56  | 46 | 16N  | 5   | 40 E |
| Ozamis                 | 72  | 8  | 15N  | 123 | 50 E |
| Ozark Plateau          | 101 | 37 | 20N  | 91  | 40W  |

## P

|                   |     |    |      |     |      |
|-------------------|-----|----|------|-----|------|
| Pa-an             | 73  | 16 | 45N  | 97  | 40 E |
| Paarl             | 94  | 33 | 45 S | 18  | 56 E |
| Pabbay I.         | 49  | 57 | 46N  | 7   | 12W  |
| Pacaraima, Sierra | 107 | 4  | 0N   | 63  | 0 W  |
| Pacific Ocean     | 22  | 10 | 0N   | 140 | 0 W  |
| Padang            | 72  | 1  | 0 S  | 100 | 20 E |
| Padiham           | 45  | 53 | 48N  | 2   | 20W  |
| Padova = Padua    | 58  | 45 | 24N  | 11  | 52 E |
| Padre I.          | 101 | 27 | 0N   | 97  | 20W  |
| Padstow           | 43  | 50 | 33N  | 4   | 57W  |
| Padua             | 58  | 45 | 24N  | 11  | 52 E |
| Paeroa            | 83  | 37 | 23 S | 175 | 41 E |
| Pag               | 58  | 44 | 30N  | 14  | 50 E |
| Pagalui, I.       | 88  | 1  | 35 S | 3   | 35 E |
| Pahiatua          | 83  | 40 | 27 S | 175 | 50 E |
| Paignton          | 43  | 50 | 26N  | 3   | 33W  |
| Painted Desert    | 100 | 36 | 40N  | 111 | 30W  |
| Paisley           | 47  | 55 | 51N  | 4   | 27W  |
| Paiyin            | 73  | 36 | 45N  | 104 | 4 E  |
| Paiyünopu         | 73  | 41 | 46N  | 109 | 58 E |
| Pakanbaru         | 72  | 0  | 30N  | 101 | 15 E |
| Pakhoi            | 73  | 21 | 30N  | 109 | 10 E |
| Pakistan ■        | 71  | 30 | 0N   | 70  | 0 E  |
| Pakse             | 72  | 15 | 5N   | 105 | 52 E |
| Palagruza         | 58  | 42 | 24N  | 16  | 15 E |
| Palapye           | 92  | 22 | 30 S | 27  | 7 E  |
| Palawan, I.       | 72  | 10 | 0N   | 119 | 0 E  |
| Palembang         | 72  | 3  | 0 S  | 104 | 50 E |
| Palencia          | 60  | 42 | 1N   | 4   | 34W  |
| Palermo           | 58  | 38 | 8N   | 13  | 20 E |
| Paletwa           | 70  | 21 | 30N  | 92  | 50 E |
| Palk Strait       | 70  | 10 | 0N   | 80  | 0 E  |
| Pallas Green      | 51  | 52 | 35N  | 8   | 22W  |
| Palma             | 60  | 39 | 30N  | 2   | 39 E |
| Palma, Bay of     | 60  | 39 | 30N  | 2   | 39 E |
| Palma, La, Panama | 107 | 8  | 15N  | 78  | 0 W  |
| Palma, La, Spain  | 60  | 37 | 21N  | 6   | 38W  |
| Palmas, C.        | 88  | 4  | 27N  | 7   | 46W  |
| Palmas, G. of     | 58  | 39 | 0N   | 8   | 30 E |
| Palmerston        | 83  | 45 | 29 S | 170 | 43 E |
| Palmerston North  | 83  | 40 | 21 S | 175 | 39 E |
| Palmi             | 58  | 38 | 21N  | 15  | 51 E |
| Palmyra           | 107 | 3  | 32N  | 76  | 16W  |
| Palmyra Is.       | 22  | 5  | 52N  | 162 | 5 W  |
| Palo Alto         | 105 | 37 | 25N  | 122 | 8 W  |
| Palos, C.         | 60  | 37 | 38N  | 0   | 40W  |
| Palmiers          | 56  | 43 | 7N   | 1   | 39 E |
| Pamirs            | 71  | 37 | 40N  | 73  | 0 E  |
| Pampa             | 100 | 35 | 35N  | 100 | 58W  |
| Pampas            | 108 | 34 | 0 S  | 64  | 0 W  |
| Pamplona, Colomb. | 107 | 7  | 23N  | 72  | 39W  |
| Pamplona, Spain   | 60  | 42 | 48N  | 1   | 38W  |
| Panamá            | 107 | 9  | 0N   | 79  | 25W  |
| Panamá ■          | 107 | 8  | 48N  | 79  | 55W  |
| Panama Canal Zone | 107 | 9  | 10N  | 79  | 56W  |
| Panama, G. of     | 96  | 8  | 4N   | 79  | 20W  |
| Panay I.          | 72  | 11 | 10N  | 122 | 30 E |
| Pančevo           | 55  | 44 | 52N  | 20  | 41 E |
| Pancorbo Pass     | 60  | 42 | 32N  | 3   | 5 W  |
| Pangani           | 93  | 5  | 25 S | 38  | 58 E |

|                          |     |    |      |     |      |
|--------------------------|-----|----|------|-----|------|
| Pangbourne               | 40  | 51 | 28N  | 1   | 5W   |
| Pangola R.               | 94  | 23 | 40 S | 27  | 43 E |
| Pantar, I.               | 72  | 8  | 28 S | 124 | 10 E |
| Pantelleria, I.          | 58  | 36 | 52N  | 12  | 0 E  |
| Panuco                   | 106 | 22 | 0N   | 98  | 25W  |
| Panuco, R.               | 106 | 21 | 30N  | 98  | 30W  |
| Panyam                   | 90  | 9  | 27N  | 9   | 8 E  |
| Paoiki                   | 73  | 34 | 25N  | 107 | 15 E |
| Paoiting                 | 73  | 38 | 50N  | 115 | 30 E |
| Paotow                   | 73  | 40 | 45N  | 110 | 0 E  |
| Papakura                 | 83  | 37 | 4 S  | 174 | 59 E |
| Papantla                 | 106 | 20 | 45N  | 97  | 21W  |
| Papenburg                | 52  | 53 | 7N   | 7   | 25 E |
| Papua, Gulf of           | 79  | 9  | 0 S  | 144 | 50 E |
| Papua New Guinea ■       | 79  | 9  | 0 S  | 145 | 0 E  |
| Pará □                   | 108 | 3  | 20 S | 52  | 0 W  |
| Paragua, R.              | 107 | 6  | 30N  | 63  | 30W  |
| Paraguay ■               | 108 | 23 | 0 S  | 57  | 0 W  |
| Paraguay, R.             | 108 | 27 | 18 S | 58  | 38W  |
| Parakou                  | 90  | 9  | 25N  | 2   | 40 E |
| Paramaribo               | 108 | 5  | 50N  | 55  | 30W  |
| Paraná                   | 108 | 32 | 0 S  | 60  | 10W  |
| Paraná, R.               | 108 | 33 | 43 S | 59  | 15W  |
| Parubice                 | 54  | 50 | 3N   | 15  | 45 E |
| Paré Pare                | 72  | 4  | 0 S  | 119 | 45 E |
| Parima, Serra            | 107 | 2  | 30N  | 64  | 0 W  |
| Paris                    | 56  | 48 | 50N  | 2   | 20 E |
| Park Range               | 100 | 40 | 0N   | 106 | 30W  |
| Parkersburg              | 40  | 39 | 18N  | 81  | 31W  |
| Parkes                   | 79  | 33 | 9 S  | 148 | 11 E |
| Parma                    | 58  | 44 | 50N  | 10  | 2 E  |
| Parmaiba, R.             | 108 | 3  | 35 S | 43  | 0 W  |
| Paroo, R.                | 79  | 30 | 0 S  | 144 | 5 E  |
| Parry Is.                | 98  | 77 | 0N   | 110 | 0 W  |
| Parry Sound              | 99  | 45 | 20N  | 80  | 0 W  |
| Partington               | 45  | 53 | 25N  | 2   | 25W  |
| Partry Mts.              | 51  | 53 | 40N  | 9   | 28W  |
| Pasadena, Calif., U.S.A. | 105 | 34 | 5N   | 118 | 9 W  |
| Pasadena, Tex., U.S.A.   | 101 | 29 | 45N  | 95  | 14W  |
| Passage East             | 51  | 52 | 15N  | 7   | 0 W  |
| Passage West             | 51  | 51 | 52N  | 8   | 20W  |
| Passau                   | 51  | 54 | 48N  | 13  | 27 E |
| Passero, C.              | 58  | 36 | 42N  | 15  | 8 E  |
| Patagonia                | 108 | 45 | 0 S  | 69  | 0 W  |
| Patchway                 | 43  | 51 | 32N  | 2   | 34W  |
| Patea                    | 83  | 39 | 45 S | 174 | 30 E |
| Pategi                   | 90  | 8  | 50N  | 5   | 45 E |
| Pateley Bridge           | 44  | 54 | 5N   | 1   | 45W  |
| Patensie                 | 94  | 33 | 46 S | 24  | 49 E |
| Paternò                  | 58  | 37 | 34N  | 14  | 53 E |
| Paterson                 | 104 | 40 | 55N  | 74  | 10W  |
| Pathfinder Res.          | 100 | 42 | 30N  | 107 | 0 W  |
| Patiala                  | 70  | 30 | 23N  | 76  | 26 E |
| Patna                    | 70  | 25 | 35N  | 85  | 18 E |
| Patrickswell             | 51  | 52 | 36N  | 8   | 42W  |
| Pattington               | 44  | 53 | 41N  | 0   | 1W   |
| Patti                    | 58  | 38 | 8N   | 14  | 57 E |
| Pau                      | 56  | 43 | 19N  | 0   | 25W  |
| Paullac                  | 56  | 45 | 11N  | 0   | 46W  |
| Paulpietersburg          | 94  | 27 | 23 S | 30  | 50 E |
| Pavia                    | 58  | 45 | 50N  | 9   | 10 E |
| Pavlodar                 | 62  | 52 | 33N  | 77  | 0 E  |
| Pawtucket                | 104 | 41 | 51N  | 71  | 22W  |
| Paz, La, Boliv.          | 108 | 16 | 20 S | 68  | 10W  |
| Paz, La, Mexico          | 106 | 24 | 10N  | 110 | 20W  |
| Peace River              | 98  | 56 | 15N  | 117 | 18W  |
| Peak Hill                | 78  | 32 | 39 S | 148 | 11 E |
| Peak Range               | 79  | 22 | 50 S | 148 | 20 E |
| Peak, The                | 44  | 53 | 24N  | 1   | 53W  |
| Pechenga                 | 61  | 69 | 30N  | 31  | 25 E |
| Pechora G.               | 62  | 68 | 40N  | 54  | 0 E  |
| Pecos                    | 100 | 31 | 25N  | 103 | 35W  |
| Pecos, R.                | 100 | 29 | 42N  | 102 | 30W  |
| Pécs                     | 55  | 46 | 5N   | 18  | 15 E |
| Peobles                  | 47  | 55 | 40N  | 3   | 12W  |
| Peel                     | 42  | 54 | 14N  | 4   | 40W  |
| Peel Fell, mt.           | 46  | 55 | 17N  | 2   | 35W  |
| Pegasus Bay              | 83  | 43 | 20 S | 173 | 10 E |
| Pegu Yoma, mts.          | 70  | 19 | 0N   | 96  | 0 E  |
| Pehan                    | 73  | 48 | 17N  | 120 | 31 E |
| Pehpei                   | 73  | 29 | 44N  | 106 | 29 E |
| Peiping                  | 73  | 39 | 50N  | 116 | 20 E |
| Pekalongan               | 72  | 6  | 53 S | 109 | 40 E |
| Peking = Peiping         | 73  | 39 | 45N  | 116 | 25 E |
| Peleng, I.               | 72  | 1  | 20 S | 123 | 30 E |
| Pelly, R.                | 98  | 62 | 15N  | 133 | 30W  |
| Peloro, C.               | 58  | 38 | 15N  | 15  | 40 E |
| Pelvoux, Massif de       | 56  | 44 | 52N  | 6   | 20 E |
| Pematang Siantar         | 72  | 2  | 57N  | 99  | 5 E  |
| Pemba, I.                | 93  | 5  | 0 S  | 39  | 45 E |
| Pemberton                | 78  | 34 | 30 S | 116 | 0 E  |
| Pembroke                 | 42  | 51 | 41N  | 4   | 57W  |
| Pen-y-Ghent              | 44  | 54 | 10N  | 2   | 15W  |
| Pen-y-groes              | 42  | 53 | 3N   | 4   | 18W  |
| Penarth                  | 43  | 51 | 26N  | 3   | 11W  |
| Pendine                  | 42  | 51 | 44N  | 4   | 33W  |
| Pendle Hill              | 45  | 53 | 53N  | 2   | 18W  |
| Pendlebury               | 45  | 53 | 31N  | 2   | 20W  |
| Pendleton                | 105 | 45 | 35N  | 118 | 50W  |
| Pengpu                   | 73  | 33 | 0N   | 117 | 25 E |
| Penistone                | 45  | 53 | 31N  | 1   | 38W  |
| Penketh                  | 45  | 53 | 22N  | 2   | 37W  |
| Penki                    | 73  | 41 | 20N  | 132 | 50 E |
| Pennines                 | 44  | 54 | 50N  | 2   | 20W  |
| Pennsylvania □           | 101 | 40 | 50N  | 78  | 0 W  |
| Penong                   | 78  | 31 | 59 S | 133 | 5 E  |
| Penrhyn Is.              | 22  | 9  | 0 S  | 150 | 30W  |
| Penrith, Austral.        | 79  | 33 | 43 S | 150 | 38 E |
| Penrith, U.K.            | 44  | 54 | 40N  | 2   | 45W  |
| Penryn                   | 43  | 50 | 10N  | 5   | 7W   |
| Pensacola                | 101 | 30 | 30N  | 87  | 10W  |
| Pensacola Mts.           | 112 | 84 | 0 S  | 40  | 0 W  |
| Penticton                | 105 | 49 | 30N  | 119 | 30W  |
| Pentland                 | 79  | 20 | 32 S | 145 | 25 E |
| Pentland Hills           | 48  | 58 | 43N  | 3   | 10W  |
| Pentland Firth           | 46  | 55 | 48N  | 3   | 25W  |
| Pentre Foelas            | 42  | 53 | 2N   | 3   | 41W  |
| Penygraig                | 43  | 51 | 36N  | 3   | 26W  |
| Penza                    | 62  | 53 | 15N  | 45  | 5 E  |
| Penzance                 | 43  | 50 | 7N   | 5   | 32W  |
| Peoria                   | 101 | 40 | 40N  | 89  | 40W  |
| Perche                   | 56  | 48 | 31N  | 1   | 1 E  |
| Perdido, Mte.            | 60  | 42 | 40N  | 0   | 50 E |

|                           |     |    |     |     |     |
|---------------------------|-----|----|-----|-----|-----|
| Pereira                   | 107 | 4  | 49N | 75  | 43W |
| Peribonca, R.             | 99  | 49 | 0N  | 72  | 25W |
| Perigueux                 | 56  | 45 | 10N | 0   | 42E |
| Perm (Molotov)            | 62  | 58 | 0N  | 57  | 10E |
| Pernambuco = Recife       | 108 | 8  | 0S  | 35  | 0E  |
| Perranporth               | 56  | 42 | 42N | 2   | 53W |
| Perryton                  | 43  | 50 | 21N | 5   | 9E  |
| Persian Gulf              | 100 | 36 | 28N | 100 | 48E |
| Pershore                  | 42  | 52 | 7N  | 2   | 4E  |
| * Perth, Austral.         | 71  | 27 | 0N  | 55  | 52E |
| Perth, U.K.               | 78  | 31 | 57S | 115 | 52E |
| Peru                      | 47  | 56 | 24N | 3   | 27E |
| Peru ■                    | 108 | 8  | 0S  | 75  | 0E  |
| Perugia                   | 58  | 43 | 6N  | 12  | 23W |
| Pesaro                    | 58  | 43 | 55N | 12  | 54W |
| Pescara                   | 58  | 42 | 28N | 14  | 13E |
| Peshawar                  | 71  | 34 | 2N  | 71  | 37E |
| Petange                   | 52  | 49 | 33N | 5   | 55E |
| Peterborough, Austral.    | 79  | 32 | 58S | 138 | 51E |
| Peterborough, U.K.        | 40  | 52 | 35N | 0   | 14E |
| Peterculter               | 48  | 57 | 5N  | 2   | 18E |
| Peterhead                 | 48  | 57 | 30N | 1   | 18E |
| Peterlee                  | 44  | 54 | 45N | 1   | 18E |
| Petersburg                | 101 | 37 | 17N | 77  | 26E |
| Petersfield               | 40  | 51 | 0N  | 0   | 56E |
| Peto                      | 106 | 20 | 10N | 89  | 0E  |
| Petone                    | 83  | 41 | 13N | 174 | 53E |
| Petropavlovsk-Kamchatskiy | 62  | 53 | 16N | 159 | 0E  |
| Petrovaradin              | 55  | 45 | 16N | 19  | 55E |
| Petrovsk                  | 62  | 52 | 22N | 45  | 19E |
| Petrozavodsk              | 61  | 61 | 41N | 34  | 20E |
| Petton                    | 44  | 54 | 52N | 1   | 36E |
| Petworth                  | 40  | 50 | 59N | 0   | 37E |
| Pforzheim                 | 54  | 48 | 53N | 8   | 43E |
| Phan Rang                 | 72  | 11 | 40N | 109 | 9E  |
| Phan Thiet                | 72  | 11 | 1N  | 108 | 9E  |
| Phanom Dang Raek, mts.    | 72  | 14 | 45N | 104 | 0E  |
| Phenix City               | 101 | 32 | 30N | 85  | 0E  |
| Philadelphia              | 104 | 40 | 0N  | 75  | 10E |
| Philippines ■             | 72  | 12 | 0E  | 123 | 0E  |
| Philippolis               | 94  | 30 | 15S | 25  | 16E |
| Philpstown                | 94  | 30 | 28S | 24  | 30E |
| Phnom Penh                | 72  | 11 | 33N | 104 | 55E |
| Phoenix                   | 100 | 33 | 30N | 112 | 10E |
| Phoenix Is.               | 22  | 3  | 30S | 172 | 0E  |
| Piacenza                  | 58  | 45 | 2N  | 2   | 15E |
| Picardy                   | 56  | 50 | 0N  | 2   | 15E |
| Pickering                 | 44  | 54 | 15N | 0   | 46E |
| Piction                   | 83  | 41 | 18S | 174 | 3E  |
| Pidurutalagala, mt.       | 70  | 7  | 10N | 80  | 50E |
| Piedmont                  | 58  | 45 | 0N  | 7   | 30E |
| Piedmont Plat.            | 101 | 34 | 0N  | 81  | 30E |
| Piedras Negras            | 102 | 28 | 35N | 100 | 35E |
| Pierre                    | 100 | 44 | 23N | 100 | 20E |
| Piet Retief               | 94  | 27 | 1S  | 30  | 50E |
| Pietermaritzburg          | 94  | 29 | 35S | 30  | 25E |
| Pietersburg               | 94  | 23 | 54S | 29  | 25E |
| Pietrosul                 | 55  | 47 | 35N | 24  | 43E |
| Pikes Peak                | 100 | 38 | 50N | 105 | 10E |
| Piketberg                 | 94  | 32 | 55S | 18  | 40E |
| Pilanesberg               | 94  | 25 | 14S | 27  | 4E  |
| Pilbara Cr.               | 78  | 21 | 15S | 118 | 22E |
| Pilcomayo, R.             | 108 | 25 | 21N | 57  | 42E |
| Pillica, R.               | 55  | 51 | 25N | 20  | 45E |
| Pilling                   | 45  | 53 | 55N | 2   | 54E |
| Pilsen = Plzen            | 54  | 49 | 45N | 13  | 22E |
| Pimba                     | 79  | 31 | 18S | 136 | 46E |
| Pine Bluff                | 101 | 34 | 19N | 92  | 0E  |
| Pine Creek                | 78  | 13 | 50S | 131 | 49E |
| Pinetown                  | 94  | 29 | 48S | 30  | 54E |
| Pingliang                 | 73  | 35 | 20N | 106 | 40E |
| Pingsiang                 | 73  | 22 | 2N  | 106 | 55E |
| Pingtung                  | 73  | 22 | 36N | 120 | 30E |
| Pinjarra                  | 78  | 32 | 37S | 115 | 52E |
| Piombino                  | 58  | 42 | 54N | 10  | 30E |
| Piotrków Trybunalski      | 55  | 51 | 23N | 19  | 43E |
| Pirmasens                 | 52  | 49 | 12N | 7   | 30E |
| Pisa                      | 58  | 43 | 43N | 10  | 23E |
| Pisciotta                 | 58  | 40 | 7N  | 15  | 12E |
| Pisek                     | 54  | 49 | 19N | 4   | 4E  |
| Piscia                    | 58  | 43 | 57N | 10  | 53E |
| Pitcairn I.               | 22  | 25 | 5S  | 130 | 55E |
| Pitcairn                  | 61  | 65 | 20N | 21  | 25E |
| Pitești                   | 45  | 54 | 52N | 24  | 54E |
| Pitlochry                 | 58  | 56 | 43N | 3   | 43E |
| Pitt I.                   | 105 | 53 | 30N | 129 | 50E |
| Pittsburgh                | 104 | 40 | 25N | 79  | 55E |
| Pizzo                     | 58  | 38 | 44N | 16  | 10E |
| Placentia                 | 99  | 47 | 20N | 54  | 0E  |
| Plainview                 | 100 | 34 | 10N | 101 | 40E |
| Plascencia                | 60  | 40 | 3N  | 6   | 8E  |
| Plata, La                 | 108 | 35 | 0S  | 57  | 55E |
| Plata, La, Rio de         | 108 | 35 | 0S  | 56  | 40E |
| Plattsburgh               | 101 | 44 | 51N | 73  | 30E |
| Plauen                    | 54  | 50 | 29N | 12  | 9E  |
| Plenty, Bay of            | 83  | 37 | 45S | 177 | 0E  |
| Plektion                  | 48  | 57 | 20N | 8   | 40E |
| Ploesti                   | 55  | 44 | 57N | 26  | 5E  |
| Plumbridge                | 50  | 54 | 46E | 7   | 15E |
| Plymouth                  | 43  | 53 | 23N | 4   | 4E  |
| Plympton                  | 43  | 50 | 24N | 4   | 2E  |
| Plynlimon                 | 42  | 52 | 29N | 3   | 47E |
| Plzen                     | 54  | 49 | 45N | 13  | 22E |
| Po, R.                    | 58  | 44 | 57N | 12  | 4E  |
| Pocatello                 | 100 | 42 | 50N | 112 | 25E |
| Pocklington               | 44  | 53 | 56N | 0   | 48E |
| Pofadder                  | 94  | 29 | 10S | 19  | 22E |
| Pointe-à-Pitre            | 107 | 16 | 10N | 61  | 30E |
| Pointe-Noire              | 92  | 4  | 48S | 12  | 0E  |
| Poitiers                  | 56  | 46 | 50N | 0   | 20E |
| Poland ■                  | 55  | 52 | 0N  | 20  | 0E  |
| Polegate                  | 40  | 50 | 49N | 0   | 15E |
| Polesworth                | 41  | 52 | 37N | 1   | 37E |
| Polillo I.                | 12  | 14 | 56N | 122 | 0E  |
| Polpoero                  | 43  | 50 | 19N | 4   | 31E |
| Pombal                    | 60  | 39 | 55N | 8   | 40E |
| Ponca City                | 91  | 36 | 40N | 9   | 8E  |
| Ponce                     | 107 | 18 | 1N  | 66  | 37E |
| Pondicherry               | 70  | 11 | 59N | 79  | 50E |
| Pondoland                 | 94  | 31 | 10S | 29  | 30E |
| Ponferrada                | 60  | 42 | 32N | 6   | 3E  |



## Preesall

|                       |     |    |      |     |      |
|-----------------------|-----|----|------|-----|------|
| Preesall              | 45  | 53 | 55N  | 2   | 58W  |
| Premier Downs         | 78  | 30 | 30 S | 126 | 30 E |
| Prenzlau              | 54  | 53 | 19N  | 13  | 51 E |
| Pierov                | 55  | 49 | 28N  | 17  | 27 E |
| Prescott              | 45  | 53 | 27N  | 2   | 49W  |
| Prescott              | 100 | 34 | 35N  | 112 | 30W  |
| Presidio              | 100 | 29 | 30N  | 104 | 20W  |
| Prestatyn             | 42  | 53 | 20N  | 3   | 24W  |
| Presteigne            | 42  | 52 | 17N  | 3   | 0W   |
| Preston, U.K.         | 45  | 53 | 46N  | 2   | 42W  |
| Preston, U.S.A.       | 100 | 42 | 10N  | 111 | 55W  |
| Preston, C.           | 78  | 20 | 51 S | 116 | 12 E |
| Prestonpans           | 47  | 55 | 58N  | 3   | 0W   |
| Prestwick             | 45  | 53 | 32N  | 2   | 18W  |
| Prestwick             | 46  | 55 | 30N  | 4   | 38W  |
| Pretoria              | 94  | 25 | 44S  | 28  | 12 E |
| Price                 | 100 | 39 | 40N  | 110 | 48W  |
| Priska                | 94  | 29 | 40S  | 22  | 42 E |
| Prince Albert         | 98  | 53 | 15N  | 105 | 50W  |
| Prince Albert Pen.    | 98  | 72 | 30N  | 116 | 12W  |
| Prince Charles I.     | 99  | 67 | 47N  | 76  | 12W  |
| Prince Edward I. □    | 99  | 46 | 30N  | 63  | 30W  |
| Prince Edward Is.     | 23  | 45 | 15 S | 39  | 0 E  |
| Prince George         | 98  | 53 | 55N  | 122 | 50W  |
| Prince of Wales I.    | 98  | 73 | 0N   | 99  | 0W   |
| Prince Patrick I.     | 98  | 77 | 0N   | 120 | 0W   |
| Prince Rupert         | 98  | 54 | 20N  | 130 | 20W  |
| Princes Risborough    | 41  | 51 | 43N  | 0   | 50W  |
| Princess Charlotte B. | 79  | 14 | 25 S | 144 | 0 E  |
| Princetown            | 43  | 50 | 33N  | 4   | 0W   |
| Prins Albert          | 94  | 33 | 12S  | 22  | 2 E  |
| Pripyat, R.           | 55  | 51 | 30N  | 30  | 0 E  |
| Progreso              | 106 | 21 | 20N  | 89  | 40W  |
| Prokopyevsk           | 62  | 54 | 0N   | 87  | 3 E  |
| Provence              | 56  | 43 | 40N  | 5   | 46 E |
| Providence            | 104 | 41 | 41N  | 71  | 15W  |
| Provo                 | 100 | 40 | 16N  | 111 | 37W  |
| Prudhoe               | 44  | 54 | 57N  | 1   | 52W  |
| Prudhoe Bay           | 98  | 70 | 20N  | 148 | 20W  |
| Pruszków              | 55  | 52 | 9N   | 20  | 49 E |
| Prut, R.              | 55  | 46 | 3N   | 28  | 10 E |
| Przemysł              | 55  | 49 | 50N  | 22  | 45 E |
| Przeworsk             | 55  | 50 | 6N   | 22  | 32 E |
| Przhevalsk            | 71  | 42 | 30N  | 78  | 20 E |
| Pskov                 | 61  | 57 | 50N  | 28  | 25 E |
| Puddletown            | 43  | 50 | 45N  | 2   | 21W  |
| Pudsey                | 45  | 53 | 47N  | 1   | 40W  |
| Puebla □              | 106 | 18 | 30N  | 98  | 0W   |
| Pueblo                | 100 | 38 | 20N  | 104 | 40W  |
| Pueblonuevo           | 60  | 38 | 16N  | 5   | 16W  |
| Puerto de Santa Maria | 60  | 36 | 36N  | 6   | 13W  |
| Puerto Monti          | 108 | 41 | 22S  | 72  | 40W  |
| Puerto Rico ■         | 107 | 13 | 15N  | 66  | 45W  |
| Puerto Llanero        | 60  | 38 | 43N  | 4   | 7W   |
| Puget Sd.             | 105 | 47 | 15N  | 122 | 30W  |
| Puigcerdá             | 60  | 42 | 24N  | 1   | 50 E |
| Pukekohe              | 83  | 37 | 12S  | 174 | 55 E |
| Pula                  | 58  | 44 | 54N  | 13  | 57 E |
| Pulantien             | 73  | 39 | 25N  | 122 | 0 E  |
| Pulborough            | 40  | 50 | 58N  | 0   | 30W  |
| Pullman               | 100 | 46 | 49N  | 117 | 10W  |
| Punakha               | 70  | 27 | 42N  | 89  | 52 E |
| Pune                  | 70  | 18 | 29N  | 73  | 57 E |
| Punjab □              | 70  | 31 | 0N   | 76  | 0 E  |
| Punta Arenas          | 108 | 53 | 0S   | 71  | 0W   |
| Purfleet              | 41  | 51 | 29N  | 0   | 15 E |
| Puri                  | 70  | 19 | 50N  | 85  | 58 E |
| Purísima, La          | 106 | 26 | 10N  | 112 | 4W   |
| Purley                | 41  | 51 | 29N  | 1   | 4W   |
| Purus, R.             | 108 | 5  | 25 S | 64  | 0W   |
| Pusan                 | 73  | 35 | 5N   | 129 | 0 E  |
| Putaruru              | 83  | 38 | 2S   | 175 | 50 E |
| Putumayo, R.          | 108 | 1  | 30S  | 70  | 0W   |
| Puy-de-Dôme           | 56  | 45 | 46N  | 2   | 57 E |
| Puy-de-Sancy          | 56  | 45 | 32N  | 2   | 41 E |
| Puy, Le               | 56  | 45 | 2N   | 3   | 53 E |
| Puyallup              | 100 | 47 | 10N  | 122 | 22W  |
| Pwllheli              | 42  | 52 | 54N  | 4   | 26W  |
| Pyatigorsk            | 71  | 44 | 2N   | 43  | 0 E  |
| Pyeongyang            | 73  | 39 | 0N   | 125 | 30 E |
| Pyramid L.            | 105 | 40 | 0N   | 119 | 30W  |
| Pyrenees              | 56  | 42 | 45N  | 0   | 18 E |

## Q

|                      |     |    |     |     |      |
|----------------------|-----|----|-----|-----|------|
| Qal'at el Mudauwara  | 71  | 29 | 28N | 36  | 3 E  |
| Qalyūb               | 91  | 30 | 12N | 31  | 11 E |
| Qāra                 | 91  | 29 | 38N | 26  | 30 E |
| Qasr Farāfra         | 91  | 27 | 0N  | 28  | 1 E  |
| Qatar ■              | 71  | 25 | 30N | 51  | 15 E |
| Qazvin               | 71  | 36 | 15N | 50  | 0 E  |
| Qena                 | 91  | 26 | 10N | 32  | 43 E |
| Qena, Wadi           | 91  | 26 | 12N | 32  | 44 E |
| Qom                  | 71  | 34 | 40N | 51  | 0 E  |
| Quackenbrück         | 52  | 52 | 40N | 7   | 59 E |
| Quang Tri            | 72  | 16 | 45N | 107 | 13 E |
| Quantock Hills, The  | 42  | 51 | 8N  | 3   | 10W  |
| Quesanbeyan          | 79  | 35 | 17S | 149 | 14 E |
| Québec               | 99  | 46 | 52N | 71  | 13W  |
| Québec □             | 99  | 50 | 0N  | 70  | 0W   |
| Queen Charlotte      | 105 | 53 | 15N | 132 | 2W   |
| Queen Charlotte Is.  | 98  | 53 | 20N | 132 | 10W  |
| Queen Elizabeth Is.  | 98  | 76 | 0N  | 90  | 0W   |
| Queen Maud G.        | 98  | 68 | 15N | 102 | 30W  |
| Queenborough         | 41  | 51 | 24N | 0   | 46 E |
| Queensbury           | 45  | 53 | 46N | 1   | 50W  |
| Queensferry          | 47  | 56 | 0N  | 3   | 25W  |
| Queensland □         | 79  | 15 | 0S  | 142 | 0 E  |
| Queenstown, Austral. | 79  | 42 | 4S  | 145 | 35 E |
| Queenstown, N.Z.     | 83  | 45 | 1S  | 168 | 40 E |
| Queenstown, S. Afr.  | 94  | 31 | 52S | 26  | 52 E |
| Quelimane            | 92  | 17 | 53S | 36  | 58 E |
| Queretaro            | 106 | 20 | 40N | 100 | 23W  |
| Quersnel             | 98  | 53 | 0N  | 122 | 30W  |
| Quetta               | 71  | 30 | 15N | 66  | 55 E |
| Quezon City          | 72  | 14 | 38N | 121 | 0 E  |
| Qui Nhon             | 72  | 13 | 40N | 109 | 13 E |
| Quibdó               | 107 | 5  | 42N | 76  | 40W  |
| Quilon               | 70  | 8  | 50N | 76  | 38 E |
| Quilpie              | 79  | 26 | 35S | 144 | 11 E |
| Quimper              | 56  | 48 | 0N  | 4   | 9W   |

|                        |     |    |     |     |      |
|------------------------|-----|----|-----|-----|------|
| Quimperlé              | 56  | 47 | 53N | 3   | 33W  |
| Quincy                 | 104 | 42 | 14N | 71  | 0W   |
| Quintanar de la Sierra | 60  | 41 | 57N | 2   | 55W  |
| Quito                  | 108 | 0  | 15S | 78  | 35W  |
| Quneitra               | 89  | 33 | 7N  | 35  | 48 E |
| Quoich, L.             | 48  | 57 | 4N  | 5   | 20W  |
| Quorn                  | 79  | 32 | 25S | 138 | 0 E  |
| Qurruq Tagh, mts.      | 73  | 41 | 30N | 90  | 0 E  |
| Qus                    | 91  | 25 | 55N | 32  | 50 E |
| Quseir                 | 91  | 26 | 7N  | 34  | 16 E |

## R

|                          |     |    |     |     |      |
|--------------------------|-----|----|-----|-----|------|
| Raabe                    | 61  | 64 | 40N | 24  | 28 E |
| Raasay I.                | 48  | 57 | 25N | 6   | 4W   |
| Raba                     | 72  | 8  | 36S | 118 | 55 E |
| Rabat                    | 88  | 34 | 2N  | 6   | 48W  |
| Rabaul                   | 79  | 65 | 24S | 152 | 18 E |
| Rabigh                   | 71  | 22 | 50N | 39  | 5 E  |
| Raciborz                 | 55  | 50 | 7N  | 18  | 18 E |
| Racine                   | 104 | 42 | 41N | 87  | 51W  |
| Radcliffe                | 45  | 53 | 35N | 2   | 19W  |
| Radekhov                 | 55  | 50 | 25N | 24  | 32 E |
| Radium Hill              | 79  | 32 | 30S | 140 | 42 E |
| Radlett                  | 41  | 51 | 41N | 0   | 19W  |
| Radnor Forest            | 42  | 52 | 17N | 3   | 10W  |
| Radom                    | 55  | 51 | 23N | 21  | 12 E |
| Radomsko                 | 55  | 51 | 5N  | 19  | 28 E |
| Radstock                 | 42  | 51 | 17N | 2   | 25W  |
| Radyr                    | 43  | 51 | 32N | 3   | 16W  |
| Raetihi                  | 83  | 39 | 25S | 175 | 17 E |
| Rafah                    | 91  | 31 | 18N | 34  | 14 E |
| Raglan                   | 83  | 37 | 55S | 174 | 55 E |
| Ragusa                   | 58  | 36 | 56N | 14  | 42 E |
| Raichur                  | 70  | 16 | 10N | 77  | 20 E |
| Raigarh                  | 70  | 21 | 56N | 83  | 25 E |
| Rainford                 | 45  | 53 | 31N | 2   | 48W  |
| Rainham                  | 41  | 51 | 22N | 0   | 36 E |
| Rainhill                 | 45  | 53 | 24N | 2   | 46W  |
| Rainier, Mt.             | 100 | 46 | 50N | 121 | 50W  |
| Raipur                   | 70  | 21 | 17N | 81  | 45 E |
| Rajahmundry              | 70  | 17 | 1N  | 81  | 48 E |
| Rajasthan □              | 70  | 26 | 45N | 73  | 30 E |
| Rajkot                   | 70  | 22 | 15N | 70  | 56 E |
| Raleigh                  | 101 | 35 | 46N | 78  | 38W  |
| Ramallah                 | 89  | 31 | 55N | 35  | 10 E |
| Rambouillet              | 56  | 48 | 40N | 1   | 48 E |
| Ramla                    | 89  | 31 | 55N | 34  | 52 E |
| Ramnad                   | 70  | 9  | 25N | 78  | 55 E |
| Ramoutsa                 | 94  | 24 | 50S | 25  | 52 E |
| Rampart                  | 98  | 65 | 0N  | 150 | 15W  |
| Ramsbottom               | 45  | 53 | 36N | 2   | 20W  |
| Ramsey, Cambs., U.K.     | 40  | 52 | 27N | 0   | 6W   |
| Ramsey, I. of M., U.K.   | 42  | 54 | 20N | 4   | 21W  |
| Ramsey I.                | 42  | 51 | 52N | 5   | 21W  |
| Ramsgate                 | 40  | 51 | 20N | 1   | 25 E |
| Ranchi                   | 70  | 23 | 19N | 85  | 27 E |
| Randers                  | 61  | 56 | 29N | 10  | 1 E  |
| Randfontein              | 94  | 26 | 8S  | 27  | 45 E |
| Rangitai, R.             | 83  | 37 | 54S | 176 | 49 E |
| Rangoon                  | 70  | 16 | 45N | 96  | 20 E |
| Rangwe                   | 93  | 0  | 38S | 34  | 35 E |
| Rannoch                  | 48  | 56 | 41N | 4   | 20W  |
| Rannoch, L.              | 72  | 3  | 15S | 119 | 57 E |
| Rantemario               | 100 | 44 | 0N  | 103 | 0W   |
| Rapid City               | 71  | 22 | 30N | 59  | 50 E |
| Ras al Hadd              | 91  | 23 | 57N | 35  | 59 E |
| Ras Bānās                | 91  | 30 | 0N  | 35  | 37 E |
| Ras en Naqb              | 91  | 31 | 21N | 30  | 22 E |
| Rashid = Rosetta         | 71  | 37 | 20N | 49  | 40 E |
| Rasht                    | 51  | 52 | 21N | 8   | 40W  |
| Rath Luirc (Charleville) | 51  | 53 | 17N | 6   | 29W  |
| Rathcoole                | 51  | 52 | 52N | 7   | 36W  |
| Rathdowney               | 51  | 52 | 57N | 6   | 13W  |
| Rathdrum                 | 51  | 52 | 32N | 8   | 57W  |
| Rathkeale                | 50  | 55 | 18N | 6   | 14W  |
| Rathlin I.               | 50  | 55 | 3N  | 7   | 35W  |
| Rathmelton               | 51  | 51 | 30N | 9   | 21W  |
| Rathmore, Cork, Ireland  | 51  | 52 | 5N  | 9   | 12W  |
| Rathmore, Kerry, Ireland | 51  | 53 | 00N | 6   | 05W  |
| Rathnew                  | 70  | 23 | 20N | 75  | 0 F  |
| Ratlam                   | 48  | 57 | 38N | 1   | 50W  |
| Rattray Hd.              | 83  | 38 | 5S  | 177 | 55 E |
| Raukumara Ra.            | 44  | 54 | 21N | 3   | 25W  |
| Ravenna                  | 58  | 44 | 28N | 12  | 15 E |
| Ravensburg               | 54  | 47 | 48N | 9   | 38 E |
| Ravenshoe                | 79  | 17 | 37S | 145 | 29 E |
| Ravensthorpe             | 78  | 33 | 35S | 120 | 2 E  |
| Rawalpindi               | 71  | 33 | 38N | 73  | 8 E  |
| Rawdon                   | 45  | 53 | 52N | 1   | 40W  |
| Rawene                   | 83  | 35 | 25S | 173 | 32 E |
| Rawlinna                 | 78  | 30 | 58S | 125 | 28 E |
| Rawlins                  | 100 | 41 | 50N | 107 | 20W  |
| Rawlinson Range          | 78  | 24 | 40S | 128 | 30 E |
| Rawmarsh                 | 45  | 53 | 27N | 1   | 20W  |
| Rawtenstall              | 45  | 53 | 42N | 2   | 18W  |
| Ray, C.                  | 99  | 47 | 33N | 59  | 15W  |
| Rayleigh                 | 41  | 51 | 36N | 0   | 38 E |
| Raz, Pte. du             | 56  | 48 | 2N  | 4   | 47W  |
| Ré, Ile de               | 56  | 46 | 12N | 1   | 30W  |
| Reading, U.K.            | 41  | 51 | 27N | 0   | 57W  |
| Reading, U.S.A.          | 104 | 40 | 20N | 75  | 53W  |
| Rebun-To                 | 76  | 45 | 23N | 141 | 2 E  |
| Recife                   | 108 | 8  | 0S  | 35  | 0W   |
| Recklinghausen           | 52  | 51 | 36N | 7   | 10 E |
| Red Deer                 | 98  | 52 | 20N | 113 | 50W  |
| Red, R.                  | 101 | 31 | 0N  | 91  | 40W  |
| Red Sea                  | 71  | 25 | 0N  | 36  | 0 E  |
| Redbourne                | 41  | 51 | 47N | 0   | 23W  |
| Redbridge                | 41  | 51 | 35N | 0   | 7 E  |
| Redcar                   | 44  | 54 | 37N | 1   | 4W   |
| Redcliff Bay             | 43  | 51 | 27N | 2   | 50W  |
| Redding                  | 105 | 40 | 30N | 122 | 25W  |
| Redditch                 | 42  | 52 | 18N | 1   | 57W  |
| Redhill                  | 41  | 51 | 14N | 0   | 10W  |
| Redland                  | 49  | 59 | 6N  | 3   | 4W   |
| Redlands                 | 100 | 34 | 0N  | 117 | 11W  |
| Redondela                | 60  | 42 | 15N | 8   | 38W  |
| Redruth                  | 43  | 50 | 14N | 5   | 14W  |

|                           |     |    |     |     |      |
|---------------------------|-----|----|-----|-----|------|
| Ree, L.                   | 51  | 53 | 35N | 8   | 0W   |
| Reefton                   | 83  | 42 | 6S  | 171 | 51 E |
| Reepham                   | 40  | 52 | 46N | 1   | 6 E  |
| Regensburg                | 54  | 49 | 1N  | 12  | 7 E  |
| Regina                    | 98  | 50 | 27N | 104 | 35W  |
| Registan□                 | 71  | 30 | 15N | 65  | 0 E  |
| Reichenbach               | 54  | 50 | 36N | 12  | 19 E |
| Reigate                   | 41  | 51 | 14N | 0   | 11W  |
| Reims                     | 56  | 49 | 15N | 4   | 0 E  |
| Reinga, C.                | 83  | 34 | 25S | 172 | 43 E |
| Reitz                     | 94  | 27 | 48S | 28  | 29 E |
| Remscheid                 | 52  | 51 | 11N | 7   | 12 E |
| Renfrew                   | 47  | 55 | 52N | 4   | 24W  |
| Reni                      | 55  | 45 | 28N | 28  | 15 E |
| Renishaw                  | 45  | 53 | 18N | 1   | 21W  |
| Renkum                    | 52  | 51 | 58N | 5   | 43 E |
| Renmark                   | 79  | 34 | 11S | 140 | 43 E |
| Rennes                    | 56  | 48 | 7N  | 1   | 41W  |
| Reno                      | 105 | 39 | 28N | 119 | 50W  |
| Reno, R.                  | 58  | 44 | 37N | 12  | 17 E |
| Renton                    | 47  | 55 | 58N | 4   | 35 E |
| Requena                   | 60  | 39 | 30N | 1   | 4W   |
| Resolution I., Can.       | 99  | 61 | 30N | 12  | 50W  |
| Resolution I., N.Z.       | 83  | 45 | 40S | 166 | 40 E |
| Reunion, I.               | 23  | 22 | 0S  | 56  | 0 E  |
| Reus                      | 60  | 41 | 0N  | 1   | 5 E  |
| Revelstoke                | 98  | 51 | 0N  | 118 | 10W  |
| Revilla Gigedo, Is. de    | 22  | 18 | 40N | 112 | 0W   |
| Rewari                    | 70  | 28 | 15N | 76  | 40 E |
| Rexburg                   | 100 | 43 | 55N | 111 | 50W  |
| Reykjavik                 | 96  | 64 | 10N | 21  | 57 E |
| Reynolds Ra.              | 78  | 22 | 30S | 133 | 0 E  |
| Rheine                    | 52  | 52 | 17N | 7   | 25 E |
| Rheinland-Pfalz□          | 54  | 50 | 50N | 7   | 0 E  |
| Rheydt                    | 52  | 51 | 10N | 6   | 24 E |
| Rhine, R.                 | 54  | 51 | 52N | 6   | 20 E |
| Rhode Island□             | 101 | 41 | 38N | 71  | 37W  |
| * Rhodesia■               | 92  | 20 | 0S  | 0   | 0 E  |
| Rhondia                   | 42  | 51 | 39N | 3   | 30W  |
| Rhône, R.                 | 56  | 43 | 28N | 4   | 42 E |
| Rhossili                  | 42  | 51 | 34N | 4   | 18W  |
| Rhyl                      | 42  | 53 | 19N | 3   | 20W  |
| Rhyol                     | 43  | 51 | 45N | 3   | 17W  |
| Rhymney                   | 48  | 57 | 20N | 2   | 50W  |
| Rhymy                     | 72  | 0  | 30N | 104 | 20 W |
| Riau Arch.                | 60  | 39 | 15N | 8   | 30W  |
| Ribatejo□                 | 44  | 54 | 13N | 2   | 20W  |
| Ribble, R.                | 108 | 21 | 10S | 47  | 50W  |
| Ribeirão Preto            | 83  | 43 | 32S | 172 | 37 E |
| Riccarton                 | 94  | 28 | 48S | 32  | 6 E  |
| Richards B.               | 100 | 38 | 50N | 112 | 0W   |
| Richfield                 | 105 | 46 | 15N | 119 | 15W  |
| Richland                  | 79  | 20 | 43S | 143 | 8 E  |
| Richmond, Austral.        | 83  | 41 | 45S | 173 | 12 E |
| Richmond, N.Z.            | 94  | 29 | 51S | 30  | 18 E |
| Richmond, S. Afr.         | 44  | 54 | 24N | 1   | 43W  |
| Richmond, N. Yorks., U.K. | 41  | 51 | 28N | 0   | 18W  |
| Richmond, Surrey, U.K.    | 105 | 38 | 0N  | 122 | 21W  |
| Richmond, Calif., U.S.A.  | 97  | 27 | 33N | 77  | 27W  |
| Richmond, Va., U.S.A.     | 41  | 51 | 38N | 0   | 28W  |
| Richmansworth             | 54  | 48 | 14N | 13  | 30 E |
| Ried                      | 94  | 26 | 44S | 20  | 1 E  |
| Rietfontein               | 58  | 42 | 23N | 12  | 50 E |
| Rieti                     | 61  | 56 | 53N | 24  | 8 E  |
| Riga                      | 61  | 57 | 40N | 23  | 45 E |
| Riga, G. of               | 90  | 11 | 8N  | 5   | 17 E |
| Rijau                     | 58  | 45 | 20N | 14  | 21 E |
| Rijeka                    | 52  | 52 | 19N | 6   | 30 E |
| Rijssen                   | 52  | 52 | 4N  | 4   | 22 E |
| Rijswijk                  | 58  | 44 | 3N  | 12  | 33 E |
| Rimini                    | 99  | 48 | 27N | 68  | 30W  |
| Limouski                  | 40  | 50 | 50N | 1   | 48W  |
| Ringwood                  | 108 | 23 | 0S  | 43  | 12W  |
| Rio de Janeiro            | 106 | 26 | 0N  | 97  | 0W   |
| Rio Grande del Norte, R.  | 108 | 30 | 0S  | 53  | 0W   |
| Rio Grande do Sul□        | 88  | 1  | 30N | 1   | 42W  |
| Rio Muni□                 | 56  | 45 | 54N | 3   | 7 E  |
| Riom                      | 44  | 54 | 3N  | 1   | 34W  |
| Ripley                    | 44  | 54 | 8N  | 1   | 31W  |
| Ripon                     | 45  | 53 | 36N | 3   | 26W  |
| Risca                     | 58  | 45 | 53N | 10  | 50 E |
| Rishton                   | 94  | 34 | 7S  | 21  | 15 E |
| Riva del Garda            | 100 | 34 | 10N | 117 | 22W  |
| Riversdal                 | 98  | 51 | 1N  | 97  | 0W   |
| Riverside                 | 83  | 46 | 21S | 168 | 0 E  |
| Riverton, Can.            | 54  | 44 | 0N  | 8   | 30 E |
| Riverton, N.Z.            | 58  | 44 | 23N | 9   | 15 E |
| Riviera                   | 99  | 47 | 50N | 69  | 30W  |
| Riviera de Levante        | 71  | 24 | 41N | 46  | 42 E |
| Rivière-du-Loup           | 58  | 38 | 54N | 17  | 52 E |
| Riyadh                    | 56  | 36 | 3N  | 4   | 4 E  |
| Rizzuto, C.               | 101 | 37 | 19N | 79  | 55W  |
| Roanoke                   | 94  | 33 | 46N | 19  | 50 E |
| Robertson                 | 78  | 23 | 15S | 121 | 0 E  |
| Robertson Ra.             | 45  | 53 | 41N | 1   | 42W  |
| Roberttown                | 78  | 25 | 40S | 118 | 5 E  |
| Robinson Ranges           | 60  | 42 | 50N | 5   | 41W  |
| Robla, La                 | 98  | 53 | 10N | 119 | 10W  |
| Robson, Mt.               | 60  | 38 | 40N | 9   | 31W  |
| Roca, C.                  | 45  | 53 | 36N | 2   | 10W  |
| Rochdale                  | 56  | 45 | 56N | 1   | 26W  |
| Roche-sur-Yon, La         | 56  | 45 | 56N | 0   | 57W  |
| Rochefort                 | 56  | 46 | 10N | 9   | 9W   |
| Rochelle, La              | 41  | 51 | 22N | 0   | 30 E |
| Rochester, Kent, U.K.     | 46  | 45 | 16N | 2   | 16W  |
| Rochester, Northum., U.K. | 101 | 44 | 1N  | 92  | 28W  |
| Rochester, Minn., U.S.A.  | 104 | 43 | 10N | 77  | 40W  |
| Rochester, N.Y., U.S.A.   | 41  | 51 | 36N | 0   | 42 E |
| Rochford                  | 51  | 53 | 25N | 7   | 19W  |
| Rochfordbridge            | 101 | 34 | 55N | 81  | 2W   |
| Rock Hill                 | 101 | 41 | 30N | 90  | 35W  |
| Rock Island               | 100 | 41 | 40N | 109 | 10W  |
| Rock Sprs.                | 101 | 42 | 20N | 89  | 0W   |
| Rockford                  | 79  | 23 | 22S | 150 | 32 E |
| Rockhampton               | 101 | 34 | 0N  | 69  | 0W   |
| Rockingham Forest         | 100 | 38 | 7N  | 103 | 45W  |
| Rockland                  |     |    |     |     |      |
| Rocky Ford                |     |    |     |     |      |



# Rzeszów

|                           |            |          |
|---------------------------|------------|----------|
| Rzeszów                   | 55 50 5N   | 21 58 E  |
| Rzhev                     | 61 56 20N  | 34 20 E  |
| <b>S</b>                  |            |          |
| 's Gravenhage = Hague,    |            |          |
| The                       | 52 52 7N   | 4 17 E   |
| Saale, R.                 | 51 51 57N  | 11 56 E  |
| Saar (Sarre), □           | 52 49 20N  | 6 45 E   |
| Saarbrücken               | 52 49 15N  | 6 58 E   |
| Saarburg                  | 52 49 36N  | 6 32 E   |
| Saaremaa                  | 61 58 30N  | 22 30 E  |
| Saarlouis                 | 52 49 19N  | 6 45 E   |
| Sabadell                  | 60 41 28N  | 2 7 E    |
| Sabah □                   | 72 6 0N    | 117 0 E  |
| Sabi, R.                  | 92 18 50S  | 31 40 E  |
| Sabi, R.                  | 94 25 4S   | 30 48 E  |
| Sabine                    | 106 27 50N | 101 10W  |
| Sabinas                   | 106 26 40N | 100 10W  |
| Sabina Hidalgo            | 58 42 15N  | 12 50 E  |
| Sabine Mts.               | 99 43 29N  | 65 38W   |
| Sable, C., Can.           | 101 25 5N  | 81 0W    |
| Sable, C., U.S.A.         | 99 44 0N   | 60 0W    |
| Sable I.                  | 71 36 15N  | 57 40 E  |
| Sabzevár                  | 105 38 39N | 121 30 E |
| Sacramento                | 100 32 30N | 105 30W  |
| Sacramento Mts.           | 105 38 3N  | 121 56W  |
| Sacramento, R.            | 44 54 49N  | 1 38W    |
| Sacriston                 | 60 42 19N  | 1 12W    |
| Sadaba                    | 70 27 50N  | 95 20 E  |
| Sadiya                    | 76 38 0N   | 138 45 E |
| Sado                      | 70 25 28N  | 98 0 E   |
| Sadon                     | 89 32 58N  | 35 28 E  |
| Safad                     | 91 26 42N  | 34 0 E   |
| Sáfaga                    | 40 52 2N   | 0 15 E   |
| Saffron Walden            | 88 31 2N   | 35 28 E  |
| Safi                      | 76 33 15N  | 130 16 E |
| Saga                      | 70 23 30N  | 95 30 E  |
| Sagaing                   | 104 43 26N | 83 55W   |
| Saginaw                   | 99 48 22N  | 71 0W    |
| Saguénay, R.              | 60 39 42N  | 0 18W    |
| Sagunto                   | 60 42 18N  | 5 2W     |
| Sahagún                   | 88 23 0N   | 5 0 E    |
| Sahara                    | 88 34 9N   | 3 29 E   |
| Saharan Atlas             | 70 29 58N  | 77 33 E  |
| Saharanpur                | 71 30 45N  | 73 8 E   |
| Sahiwal                   | 72 10 58N  | 106 40 E |
| Saigon = Ho Chi Minh City | 76 32 15N  | 131 57 E |
| Saiki                     | 61 61 15N  | 28 15 E  |
| Saimaa                    | 56 55 55N  | 2 10W    |
| St. Abb's Head            | 43 50 18N  | 5 13W    |
| St. Agnes                 | 41 51 44N  | 0 19W    |
| St. Albans, U.K.          | 101 44 49N | 73 7W    |
| St. Albans, U.S.A.        | 43 50 34N  | 2 3W     |
| St. Alban's Head          | 83 44 33S  | 171 10 E |
| St. Andrews, N.Z.         | 46 56 20N  | 2 48W    |
| St. Andrews, U.K.         | 55 53 45N  | 3 2W     |
| St. Anne's                | 42 53 15N  | 3 27W    |
| St. Asaph                 | 43 50 20N  | 4 48W    |
| St. Austell               | 44 54 30N  | 3 38 E   |
| St. Bee's Hd.             | 98 49 53N  | 97 5W    |
| St. Boniface              | 42 51 48N  | 5 15W    |
| St. Bride's B.            | 56 48 30N  | 2 46W    |
| St. Briec                 | 104 43 10N | 79 15W   |
| St. Catharines            | 40 50 34N  | 1 18W    |
| St. Catherine's Pt.       | 101 38 46N | 90 30W   |
| St. Charles               | 56 46 22N  | 5 52 E   |
| St. Claude                | 42 51 48N  | 4 30W    |
| St. Clears                | 101 45 30N | 94 11W   |
| St. Cloud                 | 43 50 26N  | 4 56W    |
| St. Columb Major          | 48 57 40N  | 1 55W    |
| St. Combs                 | 107 17 45N | 64 45W   |
| St. Croix, I.             | 42 51 54N  | 5 16W    |
| St. David's               | 42 51 54N  | 5 16W    |
| St. David's Head          | 56 48 40N  | 5 0 E    |
| St. Dizier                | 98 60 20N  | 141 59W  |
| St. Elias, Mt.            | 56 45 27N  | 4 22 E   |
| St. Etienne               | 94 34 14N  | 24 49 E  |
| St. Francis C.            | 54 47 25N  | 9 20 E   |
| St. Gallen                | 56 43 6N   | 0 44 E   |
| St. Gaudens               | 79 28 1S   | 148 41 E |
| St. George, Austral.      | 100 37 10N | 113 35W  |
| St. George, U.S.A.        | 52 50 37N  | 4 20 E   |
| St. Georges               | 107 12 5N  | 61 43W   |
| St. George's Channel      | 32 52 0N   | 0 0W     |
| St. Gotthard P.           | 54 46 33N  | 8 33 E   |
| St. Govan's Hd.           | 42 51 35N  | 4 56W    |
| St. Helena B.             | 94 32 40S  | 18 10 E  |
| St. Helena, I.            | 22 15 55S  | 5 44W    |
| St. Helens, U.K.          | 45 53 28N  | 2 44W    |
| St. Helens, U.S.A.        | 100 45 55N | 122 50W  |
| St. Helier                | 43 49 11N  | 2 6W     |
| St-Hyacinthe              | 104 45 40N | 72 58W   |
| St. Ives, Cambs., U.K.    | 40 52 20N  | 0 5W     |
| St. Ives, Cornwall, U.K.  | 43 50 13N  | 5 29W    |
| St. John                  | 99 45 30N  | 66 8W    |
| St. John's                | 99 47 35N  | 52 40W   |
| St. Joseph                | 101 39 40N | 94 50W   |
| St. Just                  | 43 50 7N   | 5 41W    |
| St. Kilda                 | 83 45 53S  | 170 31 E |
| St. Kitts-Nevis ■         | 107 17 20N | 62 40W   |
| St. Lawrence, Gulf of     | 96 43 25N  | 62 0W    |
| St. Lawrence, I.          | 96 63 0N   | 170 0W   |
| St. Lawrence, R.          | 99 49 30N  | 66 0W    |
| St. Louis, Senegal        | 88 16 49N  | 16 27W   |
| St. Louis, U.S.A.         | 101 38 40N | 90 12W   |
| St. Lucia, C.             | 94 28 32S  | 32 29 E  |
| St. Lucia ■               | 107 14 0N  | 60 50W   |
| St. Lucia, Lake           | 94 28 5S   | 32 30 E  |
| St. Magnus B.             | 49 60 25N  | 1 35W    |
| St. Malo                  | 56 48 39N  | 2 1W     |
| St.-Martin, I.            | 107 18 0N  | 63 0W    |
| St. Marys                 | 79 41 32S  | 148 11 E |
| St. Mary's I.             | 43 49 55N  | 6 17W    |
| St. Mawes                 | 43 50 10N  | 5 1W     |
| St. Monance               | 46 56 13N  | 2 46W    |
| St. Moritz                | 54 46 30N  | 9 51 E   |
| St. Nazaire               | 56 47 17N  | 2 12W    |
| St. Neots                 | 40 52 14N  | 0 16W    |
| St-Niklaas                | 52 51 10N  | 4 8 E    |

|                           |            |          |
|---------------------------|------------|----------|
| St. Paul                  | 101 44 54N | 93 5W    |
| St. Peter Port            | 43 49 27N  | 2 31W    |
| St. Petersburg            | 101 27 45N | 82 40W   |
| St.-Pierre, I.            | 99 46 48N  | 56 12W   |
| St-Quentin                | 56 49 50N  | 3 16 E   |
| St-Raphaël                | 56 43 25N  | 6 46 E   |
| St-Servan-sur-Mer         | 56 48 38N  | 2 0W     |
| St. Thomas, I.            | 107 18 21N | 64 55W   |
| St.-Trond                 | 52 50 48N  | 5 12 E   |
| St-Tropez                 | 56 43 17N  | 6 38 E   |
| St.-Vallier               | 56 45 11N  | 4 50 E   |
| St. Vincent ■             | 107 13 10N | 61 10W   |
| Saintes                   | 56 45 45N  | 0 37W    |
| Saintfield                | 50 54 28N  | 5 50W    |
| Saintonge                 | 56 45 40N  | 0 50W    |
| Sākahka                   | 71 30 0N   | 40 8 E   |
| Sakai                     | 76 34 30N  | 135 30 E |
| Sakata                    | 76 36 38N  | 138 19 E |
| Sakhalin, I.              | 62 51 0N   | 143 0 E  |
| Sala                      | 61 59 58N  | 16 35 E  |
| Salalah                   | 71 16 56N  | 53 59 E  |
| Salamanca                 | 60 40 58N  | 5 39W    |
| Saldania                  | 60 42 32N  | 4 48W    |
| Saldanha                  | 94 33 0S   | 17 58 E  |
| Saldanha Bay              | 94 33 6S   | 18 0 E   |
| Sale, Austral.            | 79 38 6S   | 147 6 E  |
| Sale, U.K.                | 45 53 26N  | 2 19W    |
| Salekhard                 | 62 66 30N  | 66 25 E  |
| Salem, India              | 70 11 40N  | 78 11 E  |
| Salem, U.S.A.             | 105 45 0N  | 123 0W   |
| Salem                     | 48 56 42N  | 5 48W    |
| Salerno                   | 58 40 40N  | 14 44 E  |
| Salford                   | 45 53 30N  | 2 17W    |
| Salida                    | 100 38 35N | 106 0W   |
| Salima                    | 92 13 47S  | 34 28 E  |
| Salina                    | 100 38 58N | 97 40W   |
| Salina Cruz               | 16 16 10N  | 95 10W   |
| Salina, I.                | 58 38 35N  | 14 50 E  |
| Salinas, R.               | 105 36 45N | 121 48W  |
| * Salisbury, Zimb.        | 92 17 50S  | 31 2W    |
| Salisbury, U.K.           | 42 51 4N   | 1 48W    |
| Salisbury, Md., U.S.A.    | 101 38 20N | 75 38W   |
| Salisbury, N.C., U.S.A.   | 101 35 42N | 80 29W   |
| Salisbury Plain           | 42 51 13N  | 1 50W    |
| Salmon, R.                | 100 45 51N | 116 46W  |
| Salonta                   | 55 46 49N  | 21 42 E  |
| Salop □                   | 45 52 36N  | 2 45W    |
| Salt Lake City            | 100 40 45N | 111 58W  |
| Salta                     | 108 24 47S | 65 25W   |
| Saltash                   | 43 50 25N  | 4 13W    |
| Saltburn by the Sea       | 44 54 35N  | 0 58W    |
| Saltcoats                 | 47 55 38N  | 4 47W    |
| Saltillo                  | 44 53 25N  | 0 11 E   |
| Saltillo                  | 106 25 30N | 100 57W  |
| Salton Sea                | 100 32 20N | 115 50W  |
| Salūm                     | 91 31 31N  | 25 7 E   |
| Salūm, G. of              | 91 31 30N  | 25 9 E   |
| Saluzzo                   | 58 44 39N  | 7 29 E   |
| Salvador                  | 108 13 0S  | 38 30W   |
| Salvador ■                | 106 13 50N | 89 0W    |
| Salween, R.               | 70 16 31N  | 97 37 E  |
| Salzburg                  | 54 47 48N  | 13 2 E   |
| Salzburg □                | 54 47 15N  | 13 0 E   |
| Salzgitter                | 54 52 2N   | 10 22 E  |
| Samalūt                   | 91 28 20N  | 30 42 E  |
| Samar, I.                 | 72 12 0N   | 125 0 E  |
| Samarikand                | 71 39 40N  | 66 55 E  |
| Sambiasi                  | 58 38 58N  | 16 16 E  |
| Sambor                    | 55 49 30N  | 23 10 E  |
| Sambre, R.                | 52 50 27N  | 4 52 E   |
| Samei                     | 93 4 2S    | 37 38 E  |
| Samsui                    | 73 23 7N   | 112 58W  |
| Samsun                    | 71 41 15N  | 36 15 E  |
| San Andres Mts.           | 100 33 0N  | 106 45W  |
| San Angelo                | 100 31 30N | 100 30W  |
| San Antonio               | 100 29 30N | 98 30W   |
| San Antonio, C.           | 106 21 50N | 84 57W   |
| San Antonio Falls         | 108 9 30S  | 65 0W    |
| San Benedetto             | 58 45 2N   | 10 57 E  |
| San Bernardino            | 105 34 7N  | 117 18W  |
| San Carlos                | 106 29 0N  | 101 10W  |
| San Cristóbal             | 107 7 46N  | 72 14W   |
| San Diego                 | 105 32 43N | 117 10W  |
| San Felipe                | 107 10 20N | 68 44W   |
| San Fernando, Mexico      | 106 30 0N  | 115 10W  |
| San Fernando, Trin.       | 107 10 20N | 61 30W   |
| San Francisco             | 105 37 47N | 122 30W  |
| San Francisco de          |            |          |
| Macoris                   | 107 19 19N | 70 15W   |
| San Joaquin R.            | 105 37 4N  | 121 51W  |
| San Jorge, G. of, Spain   | 60 40 50N  | 0 55W    |
| San Jorge, G. of, Argent. | 108 46 0S  | 66 0W    |
| San José, C. Rica         | 107 10 10N | 84 2W    |
| San José, Guat.           | 106 14 0N  | 90 50W   |
| San Jose                  | 105 37 20N | 121 53W  |
| San Juan                  | 107 18 28N | 66 37W   |
| San Juan Mts.             | 100 38 30N | 108 30W  |
| San Lucas C.              | 106 22 50N | 110 0W   |
| San Luis Obispo           | 100 35 21N | 120 38W  |
| San Luis Potosi           | 106 22 9N  | 100 59W  |
| San Marcos                | 100 29 53N | 98 0W    |
| San Marino ■              | 58 43 56N  | 12 25 E  |
| San Mateo                 | 105 37 32N | 122 19W  |
| San Matias, G. of         | 108 44 30S | 64 0W    |
| San Miguel                | 106 9 40N  | 65 11W   |
| San Pedro Sula            | 106 15 30N | 88 0W    |
| San, R.                   | 55 50 25N  | 22 20 E  |
| San Remo                  | 58 43 48N  | 7 47 E   |
| San Salvador              | 106 13 40N | 89 20W   |
| San Salvador (Watlings)   |            |          |
| I.                        | 107 24 0N  | 74 40W   |
| San Sebastián             | 60 43 17N  | 1 58W    |
| San Severo                | 58 41 41N  | 15 23 E  |
| San Vicente de la         |            |          |
| Barquera                  | 60 43 30N  | 4 29W    |
| San'a                     | 71 15 27N  | 44 12 E  |
| Sanandaj                  | 71 35 25N  | 47 7 E   |
| Sancti-Spiritus           | 107 21 52N | 79 33W   |
| Sandakan                  | 72 5 53N   | 118 10 E |
| Sanday, I.                | 49 59 15N  | 2 30W    |
| Sandbach                  | 44 53 9N   | 2 23W    |
| Sandbank                  | 47 55 58N  | 4 57W    |
| Sandhurst                 | 41 51 21N  | 0 48W    |

\* Renamed Harare

# Shawinigan

|                       |            |          |
|-----------------------|------------|----------|
| Sandoa                | 92 9 48S   | 23 0 E   |
| Sandomierz            | 55 50 40N  | 21 43 E  |
| Sandoway              | 70 18 20N  | 94 30 E  |
| Sandown               | 40 50 39N  | 1 9W     |
| Sandpoint             | 100 48 20N | 116 40W  |
| Sandstone             | 78 27 59S  | 119 16 E |
| Sandusky              | 104 41 25N | 82 40W   |
| Sandwich              | 40 51 16N  | 1 21 E   |
| Sandy                 | 40 52 07N  | 0 17W    |
| Sanford Mt.           | 98 62 30N  | 143 0W   |
| Sangli                | 70 16 55N  | 74 33 E  |
| Sangre de Cristo Mts. | 100 37 0N  | 105 0W   |
| Sangsang              | 73 29 30N  | 86 0 E   |
| Sankuru, R.           | 92 4 17S   | 20 25 E  |
| Sanlúcar la Mayor     | 60 37 26N  | 6 18W    |
| Sanok                 | 55 49 35N  | 22 10 E  |
| Sanquhar              | 46 55 21N  | 3 56W    |
| Santa Ana             | 105 33 48N | 117 55W  |
| Santa Barbara         | 105 34 25N | 119 40W  |
| Santa Catalina, I.    | 100 33 20N | 118 30W  |
| Santa Clara, Cuba     | 107 22 20N | 80 0W    |
| Santa Clara, U.S.A.   | 100 37 21N | 122 0W   |
| Santa Cruz            | 105 36 55N | 122 1W   |
| Santa Cruz I.         | 105 34 0N  | 119 45W  |
| Santa Fe, Argent.     | 23 10 30S  | 166 0 E  |
| Santa Fe, U.S.A.      | 108 31 35S | 60 41W   |
| Santa Lucia Range     | 100 35 40N | 106 0W   |
| Santa Maria           | 105 36 0N  | 121 20W  |
| Santa Marta           | 100 34 58N | 120 29W  |
| Santa Monica          | 107 11 15N | 74 13W   |
| Santa Rosa            | 100 34 0N  | 118 30W  |
| Santa Rosa I.         | 105 38 26N | 122 43W  |
| Santander             | 100 34 0N  | 120 6W   |
| Santarem, Brazil      | 60 43 27N  | 3 51W    |
| Santarem, Port.       | 60 29 12N  | 8 42W    |
| Santiago, Chile       | 108 33 24S | 70 50W   |
| Santiago, Dom. Rep.   | 107 19 30N | 70 40W   |
| Santiago, Spain       | 60 42 52N  | 8 37W    |
| Santiago de Cuba      | 107 20 0N  | 75 49W   |
| Santo Domingo         | 107 18 30N | 70 0W    |
| Santos                | 108 24 0S  | 46 20W   |
| Santry                | 51 53 24N  | 6 15W    |
| São Francisco, R.     | 108 10 30N | 36 24W   |
| São Luis              | 108 2 39S  | 44 15W   |
| São Paulo             | 108 23 40S | 46 50W   |
| Sao Roque, C.         | 88 5 30S   | 35 10W   |
| São Tomé, I.          | 88 0 10N   | 7 0 E    |
| Sàone, R.             | 56 46 25N  | 4 50 E   |
| Sapporo               | 76 43 0N   | 141 15 E |
| Sarajevo              | 58 43 52N  | 18 26 E  |
| Sarasota              | 101 27 10N | 82 30W   |
| Saratoga Springs      | 104 43 5N  | 73 47W   |
| Saratov               | 62 51 30N  | 46 2 E   |
| Sarawak □             | 72 2 0N    | 113 0 E  |
| Sardinia, I.          | 58 40 0N   | 9 0 E    |
| Sarina                | 79 21 22S  | 149 13 E |
| Sark, I.              | 43 49 25N  | 2 20W    |
| Sarny                 | 55 51 17N  | 26 40 E  |
| Sarrebourg            | 56 48 43N  | 7 3 E    |
| Sarreguemines         | 56 49 1N   | 7 4 E    |
| Sarthe, R.            | 56 47 33N  | 0 31W    |
| Sasebo                | 76 33 10N  | 129 43 E |
| Saskatchewan □        | 98 54 40N  | 106 0W   |
| Saskatchewan, R.      | 98 53 12N  | 99 16W   |
| Saskatoon             | 98 52 10N  | 106 38W  |
| Sasolburg             | 94 26 46S  | 27 49 E  |
| Sàssari               | 58 40 44N  | 8 33 E   |
| Sassnitz              | 54 54 29N  | 13 39 E  |
| Sàtoraljaújhely       | 55 48 25N  | 21 41 E  |
| Satpura Ra.           | 70 21 40N  | 75 0 E   |
| Satsuna-Shōtō         | 76 30 0N   | 130 0 E  |
| Satu Mare             | 55 47 46N  | 22 55 E  |
| Saudi Arabia ■        | 71 26 0N   | 44 0 E   |
| Sault Ste. Marie      | 99 46 30N  | 84 20W   |
| Saumur                | 56 47 15N  | 0 5W     |
| Saundersfoot          | 42 51 43N  | 4 42W    |
| Sauri                 | 90 11 50N  | 6 44 E   |
| Sava, R.              | 55 44 50N  | 20 26 E  |
| Savalou               | 90 7 57N   | 2 4 E    |
| Savannah              | 101 32 48N | 81 4W    |
| Savé                  | 90 8 2N    | 2 17 E   |
| Savona                | 58 19N     | 8 29 E   |
| Savoy □               | 56 45 26N  | 6 35 E   |
| Sawahlungto           | 72 0 52S   | 100 52 E |
| Sawara                | 76 35 55N  | 140 30W  |
| Sawatch Mts.          | 100 38 30N | 106 30W  |
| Sawbridgeworth        | 50 51 49N  | 0 10W    |
| Sawel, Mt.            | 50 54 48N  | 7 5W     |
| Sawu, I.              | 72 10 35S  | 121 50 E |
| Sawu Sea              | 72 9 30S   | 121 50 E |
| Saxmundham            | 40 52 13N  | 1 29 E   |
| Sayda                 | 89 33 35N  | 35 25 E  |
| Saynshand             | 73 44 55N  | 110 11 E |
| Sazin                 | 70 35 35N  | 73 30 E  |
| Sca Fell              | 44 54 17N  | 3 14W    |
| Scalby                | 44 54 28N  | 0 26W    |
| Scalloway             | 49 60 9N   | 1 16W    |
| Scalpay, I.           | 48 57 18N  | 6 0W     |
| Scammon Bay           | 98 62 0N   | 165 49W  |
| Scania                | 61 64 0N   | 12 0 E   |
| Scapa Flow            | 49 38 52N  | 3 68W    |
| Scarba, I.            | 46 56 10N  | 5 42W    |
| Scarborough           | 44 54 17N  | 0 24W    |
| Scariff               | 51 52 55N  | 8 32W    |
| Scarinish             | 48 56 30N  | 6 48W    |
| Scarp, I.             | 48 58 1N   | 7 8W     |
| Schaffhausen          | 54 47 42N  | 8 39 E   |
| Schefferville         | 99 54 48N  | 66 50W   |
| Schelde, R.           | 52 51 10N  | 4 20 E   |
| Schenectady           | 104 42 50N | 73 58W   |
| Schiedam              | 52 51 55N  | 4 25 E   |
| Schiermonnikoog, I.   | 52 53 30N  | 6 15 E   |
| Schio                 | 58 45 42N  | 11 21 E  |
| Schleswig             | 54 54 32N  | 9 34 E   |
| Schleswig-Holstein □  | 54 54 10N  | 9 40 E   |
| Schouten Is.          | 72 1 0 S   | 136 0 E  |
| Schouwen, I.          | 52 51 43N  | 3 45 E   |
| Schwargyashan         | 73 46 35N  | 131 15 E |
| Schwarzrand           | 90 26 0S   | 17 0 E   |
| Schweinfurt           | 54 50 3N   | 10 12 E  |
| Schweizer Reneke      | 94 27 11S  | 25 18 E  |
| Schwerin              | 54 53 37N  | 11 27 E  |



## Shawnee

|                    |     |    |     |     |     |
|--------------------|-----|----|-----|-----|-----|
| Shawnee            | 101 | 35 | 15N | 97  | 0W  |
| Sheboygan          | 104 | 43 | 46N | 87  | 45W |
| Sheelin, Lough     | 50  | 53 | 48N | 7   | 20W |
| Sheerness          | 41  | 51 | 26N | 0   | 47E |
| Sheffield          | 45  | 53 | 23N | 1   | 28W |
| Shefford           | 40  | 52 | 2N  | 0   | 20W |
| Shelburne          | 99  | 43 | 47N | 65  | 20W |
| Shelby             | 100 | 48 | 30N | 111 | 59W |
| Shelkhor G.        | 62  | 59 | 30N | 157 | 0E  |
| Shellharbour       | 79  | 34 | 31S | 150 | 51E |
| Shenandoah         | 101 | 40 | 50N | 95  | 25W |
| Shendam            | 90  | 9  | 10N | 9   | 30E |
| Shensi □           | 73  | 34 | 50N | 109 | 25E |
| Shenyang (Mukden)  | 73  | 41 | 35N | 123 | 30E |
| Shepetovka         | 55  | 50 | 10N | 27  | 10E |
| Shephelah          | 89  | 31 | 30N | 34  | 43E |
| Shepparton         | 79  | 36 | 23S | 145 | 26E |
| Shepton Mallet     | 42  | 51 | 11N | 2   | 31W |
| Sherborne          | 43  | 50 | 56N | 2   | 31W |
| Sherbro I.         | 88  | 7  | 30N | 12  | 40W |
| Sherbrooke         | 104 | 45 | 28N | 71  | 57W |
| Sherburn           | 45  | 53 | 47N | 1   | 15W |
| Sheridan           | 100 | 44 | 50N | 107 | 0W  |
| Sheringham         | 40  | 52 | 56N | 1   | 11E |
| Sherman            | 101 | 33 | 40N | 96  | 35W |
| Sheslay            | 98  | 58 | 17N | 131 | 45W |
| Shetland Is.       | 49  | 60 | 30N | 1   | 30W |
| Shivchenko         | 71  | 44 | 25N | 51  | 20E |
| Shibata            | 76  | 37 | 57N | 139 | 0E  |
| Shibetsu           | 76  | 44 | 10N | 142 | 23E |
| Shibin El Kôm      | 91  | 30 | 31N | 30  | 55E |
| Shiel, L.          | 48  | 56 | 48N | 5   | 32W |
| Shieldaig          | 48  | 57 | 31N | 5   | 39W |
| Shigatse           | 73  | 29 | 10N | 89  | 0E  |
| Shihkiachwang      | 73  | 38 | 0N  | 114 | 32E |
| Shikarpur          | 71  | 27 | 57N | 68  | 39E |
| Shikoku □          | 76  | 33 | 30N | 133 | 30E |
| Shildon            | 44  | 54 | 37N | 1   | 39W |
| Shillelagh         | 51  | 52 | 46N | 6   | 32W |
| Shimabara          | 76  | 32 | 48N | 130 | 20E |
| Shimada            | 76  | 34 | 49N | 138 | 19E |
| Shimanovsk         | 73  | 52 | 15N | 127 | 30E |
| Shimizu            | 76  | 35 | 0N  | 138 | 30E |
| Shimo-Jima         | 76  | 32 | 15N | 130 | 7E  |
| Shimoga            | 70  | 13 | 57N | 75  | 32E |
| Shimonoseki        | 76  | 33 | 58N | 131 | 0E  |
| Shin, L.           | 48  | 58 | 7N  | 4   | 30W |
| Shin, R.           | 48  | 57 | 58N | 4   | 26W |
| Shiney Row         | 44  | 54 | 53N | 1   | 29W |
| Shingu             | 76  | 33 | 40N | 135 | 55E |
| Shinjô             | 76  | 38 | 46N | 140 | 18E |
| Shinyanga          | 93  | 3  | 45S | 3   | 27E |
| Shiogama           | 76  | 38 | 19N | 141 | 1E  |
| Shipki La          | 70  | 31 | 45N | 78  | 40E |
| Shipley            | 45  | 53 | 50N | 1   | 47W |
| Shipton-on-Stour   | 42  | 52 | 4N  | 1   | 38W |
| Shir Kûh           | 71  | 31 | 45N | 53  | 30E |
| Shirâz             | 71  | 29 | 42N | 52  | 30E |
| Shirehampton       | 43  | 51 | 29N | 2   | 41W |
| Shiremoor          | 44  | 55 | 01N | 1   | 28W |
| Shirwa, L.         | 92  | 15 | 55S | 35  | 40E |
| Shiukwan           | 73  | 24 | 58N | 113 | 3E  |
| Shiyata            | 91  | 29 | 25N | 25  | 7E  |
| Shizuoka           | 76  | 35 | 0N  | 138 | 30E |
| Shoeburyness       | 40  | 51 | 31N | 0   | 49E |
| Sholapur           | 70  | 17 | 43N | 75  | 56E |
| Shoreham-by-Sea    | 40  | 50 | 50N | 0   | 17W |
| Shoshone           | 100 | 43 | 0N  | 114 | 27W |
| Shoshone Mts.      | 105 | 39 | 30N | 117 | 30W |
| Shoshong           | 92  | 22 | 56S | 26  | 31E |
| Shotton Colliery   | 44  | 54 | 44N | 1   | 18W |
| Shotts             | 47  | 55 | 49N | 3   | 47W |
| Shreveport         | 101 | 32 | 30N | 93  | 50W |
| Shrewsbury         | 45  | 52 | 42N | 2   | 45W |
| Shwebo             | 70  | 22 | 30N | 95  | 45E |
| Si Kiang, R.       | 73  | 22 | 20N | 113 | 20E |
| Siakgan            | 73  | 25 | 45N | 100 | 10E |
| Siakhot            | 71  | 32 | 32N | 74  | 30E |
| * Siam, G. of      | 72  | 11 | 30N | 101 | 0E  |
| Siam               | 73  | 34 | 2N  | 109 | 0E  |
| Siang K.           | 73  | 27 | 10N | 112 | 45E |
| Siangfan           | 73  | 32 | 15N | 112 | 2E  |
| Siangnan           | 73  | 28 | 0N  | 112 | 55E |
| Siao Hingan Ling   | 73  | 49 | 0N  | 127 | 0E  |
| Sibâi, Gebel el    | 91  | 25 | 45N | 34  | 10E |
| Sibaya, L.         | 94  | 27 | 20S | 32  | 45E |
| Sibenik            | 58  | 43 | 48N | 15  | 54E |
| Siberut, I.        | 72  | 1  | 30S | 99  | 0E  |
| Sibiu              | 55  | 45 | 45N | 24  | 9E  |
| Sibolga            | 72  | 1  | 50N | 98  | 45E |
| Sibuyan, I.        | 72  | 12 | 25N | 122 | 40E |
| Sichang            | 73  | 28 | 0N  | 102 | 10E |
| Sidi Abd el Rahmân | 91  | 30 | 55N | 28  | 41E |
| Sidi Barrâni       | 91  | 31 | 32N | 25  | 58E |
| Sidi-Bel-Abbès     | 88  | 35 | 13N | 0   | 10W |
| Sidi Haneish       | 91  | 31 | 10N | 27  | 35E |
| Sidi Omar          | 91  | 31 | 24N | 24  | 57E |
| Sidlaw Hills       | 48  | 56 | 32N | 3   | 10W |
| Sidmouth           | 43  | 50 | 40N | 3   | 13W |
| Sidney             | 100 | 47 | 51N | 104 | 7W  |
| Sidra, G. of       | 88  | 31 | 40N | 18  | 30E |
| Siedlec            | 55  | 52 | 10N | 22  | 20E |
| Siegburg           | 52  | 50 | 48N | 7   | 12E |
| Siegen             | 52  | 50 | 52N | 8   | 2E  |
| Siena              | 58  | 43 | 20N | 11  | 20E |
| Siennyang          | 73  | 34 | 20N | 108 | 48E |
| Sierra Leone ■     | 88  | 9  | 0N  | 12  | 0W  |
| Sikhote Alin Ra.   | 62  | 46 | 0N  | 136 | 0E  |
| Sikkim □           | 70  | 27 | 50N | 88  | 50E |
| Sil, R.            | 60  | 42 | 23N | 7   | 30W |
| Silchar            | 70  | 24 | 49N | 92  | 48E |
| Silesia            | 54  | 51 | 0N  | 16  | 30E |
| Silloth            | 44  | 54 | 53N | 3   | 25W |
| Silsden            | 45  | 53 | 55N | 1   | 55W |
| Silver City        | 100 | 32 | 50N | 108 | 18W |
| Silvermine Mts.    | 51  | 52 | 47N | 8   | 15W |
| Simeulue, I.       | 72  | 2  | 45N | 95  | 45E |
| Simikot            | 70  | 30 | 0N  | 81  | 50E |
| Simla              | 70  | 31 | 2N  | 77  | 15E |
| Simonstown         | 94  | 34 | 14S | 18  | 26E |
| Simpson Pass       | 54  | 46 | 15N | 8   | 0E  |
| Simpson Des.       | 79  | 25 | 0S  | 137 | 0E  |
| Sinai              | 91  | 29 | 0N  | 34  | 0E  |

Sinai, Mt. = Musa, G.

|                      |     |    |     |     |     |
|----------------------|-----|----|-----|-----|-----|
| Sinaloa              | 106 | 25 | 50N | 108 | 20W |
| Sines                | 60  | 37 | 56N | 8   | 51W |
| Singapore ■          | 72  | 1  | 17N | 103 | 51E |
| Singida              | 93  | 4  | 49S | 34  | 48E |
| Singtai              | 73  | 37 | 2N  | 114 | 30E |
| Sining               | 73  | 36 | 35N | 101 | 50E |
| Sinkiang-Uighur □    | 73  | 42 | 0N  | 86  | 0E  |
| Sinjuris             | 91  | 29 | 26N | 30  | 31E |
| Sinsiang             | 71  | 42 | 1S  | 35  | 11E |
| Sinsiang             | 73  | 35 | 15N | 113 | 55E |
| Sintai               | 73  | 30 | 59N | 105 | 0E  |
| Sintra               | 60  | 38 | 47N | 9   | 25W |
| Sinûiju              | 73  | 40 | 5N  | 124 | 24E |
| Sinyang              | 73  | 32 | 6N  | 114 | 2E  |
| Sioux City           | 101 | 42 | 32N | 96  | 25W |
| Sioux Falls          | 101 | 43 | 35N | 96  | 40W |
| Sipora, I.           | 72  | 2  | 15S | 99  | 44E |
| Siracusa             | 58  | 37 | 4N  | 15  | 17E |
| Siret, R.            | 50  | 47 | 58N | 26  | 5E  |
| Sirsa                | 75  | 29 | 33N | 75  | 4E  |
| Sisak                | 58  | 45 | 30N | 16  | 21E |
| Sitka                | 96  | 57 | 9N  | 134 | 58W |
| Sittard              | 52  | 51 | 0N  | 5   | 52E |
| Sittingbourne        | 41  | 51 | 20N | 0   | 43E |
| Siwa                 | 91  | 29 | 11N | 25  | 31E |
| Siwa Oasis           | 91  | 29 | 10N | 25  | 30E |
| Sizwell              | 40  | 52 | 13N | 1   | 38E |
| Sjælland             | 61  | 55 | 30N | 11  | 30E |
| Skagen               | 61  | 68 | 37N | 14  | 27E |
| Skagerrak            | 61  | 57 | 30N | 9   | 0E  |
| Skagway              | 98  | 59 | 30N | 135 | 20W |
| Skeena, R.           | 98  | 54 | 9N  | 130 | 5W  |
| Skegness             | 44  | 53 | 9N  | 0   | 20E |
| Skellefte, R.        | 61  | 65 | 30N | 18  | 30E |
| Skellefteå           | 61  | 64 | 45N | 20  | 58E |
| Skelmorthorpe        | 45  | 53 | 35N | 1   | 39W |
| Skelmersdale         | 45  | 53 | 34N | 2   | 49W |
| Skermorie            | 47  | 55 | 52N | 4   | 53W |
| Skerries             | 51  | 53 | 35N | 6   | 7W  |
| Skibbereen           | 51  | 51 | 33N | 9   | 16W |
| Skiddaw              | 44  | 54 | 39N | 3   | 9W  |
| Skien                | 61  | 59 | 12N | 9   | 35E |
| Skjernewice          | 55  | 51 | 58N | 20  | 19E |
| Skidda               | 88  | 36 | 50N | 6   | 58E |
| Skipton              | 44  | 53 | 57N | 2   | 1W  |
| Skokholm, I.         | 42  | 51 | 42N | 5   | 16W |
| Skomer, I.           | 42  | 51 | 44N | 5   | 19W |
| Skye, I.             | 48  | 57 | 15N | 6   | 10W |
| Slaithwaite          | 45  | 53 | 37N | 1   | 53W |
| Sleane, R.           | 51  | 52 | 52N | 6   | 45W |
| Slavkov = Austerlitz | 54  | 49 | 10N | 16  | 52E |
| Slea Hd.             | 51  | 52 | 7N  | 10  | 30W |
| Sleaford             | 44  | 53 | 0N  | 0   | 22W |
| Sleat, Sd. of        | 48  | 57 | 5N  | 5   | 47W |
| Sliedrecht           | 51  | 52 | 51N | 4   | 45E |
| Slieve Aughy         | 52  | 53 | 4N  | 8   | 30W |
| Slieve Bloom         | 51  | 53 | 4N  | 7   | 40W |
| Slieve Donard        | 50  | 54 | 10N | 5   | 57W |
| Slieve Gamph         | 50  | 54 | 6N  | 9   | 0W  |
| Slieve Gullion       | 50  | 54 | 8N  | 6   | 26W |
| Slieve League        | 50  | 54 | 40N | 8   | 42W |
| Slieve Mish          | 51  | 52 | 12N | 9   | 50W |
| Slievenamon          | 51  | 52 | 25N | 7   | 37W |
| Sligo                | 50  | 54 | 17N | 8   | 28W |
| Sligo □              | 50  | 54 | 10N | 8   | 35W |
| Sligo B.             | 50  | 54 | 20N | 8   | 40W |
| Slough               | 41  | 51 | 30N | 0   | 35W |
| Slovakian Ore Mts.   | 55  | 50 | 25N | 13  | 0E  |
| Slovensko            | 55  | 48 | 30N | 19  | 0E  |
| Slyne Hd.            | 51  | 53 | 25N | 10  | 10W |
| Smederevo            | 55  | 44 | 40N | 20  | 57E |
| Smethwick            | 41  | 52 | 29N | 1   | 58W |
| Smithers             | 105 | 54 | 45N | 127 | 10W |
| Smithfield           | 94  | 30 | 13S | 26  | 32E |
| Smolensk             | 62  | 54 | 45N | 32  | 0E  |
| Snafell              | 44  | 54 | 18N | 4   | 26W |
| Snake, R.            | 105 | 46 | 12N | 119 | 2W  |
| Sneek                | 52  | 53 | 2N  | 5   | 40E |
| Sneem                | 51  | 51 | 50N | 9   | 55W |
| Sneeuberger          | 94  | 32 | 0S  | 24  | 55E |
| Snizort, L.          | 48  | 47 | 33N | 6   | 28W |
| Snodland             | 41  | 51 | 19N | 0   | 26E |
| Snohetta             | 61  | 62 | 19N | 9   | 16E |
| Snowdon              | 42  | 53 | 4N  | 4   | 8W  |
| Snowy, R.            | 79  | 37 | 46S | 148 | 30E |
| Sobart, R.           | 89  | 8  | 32N | 32  | 40E |
| Soche (Yarkand)      | 73  | 38 | 24N | 77  | 20E |
| Socorro              | 100 | 34 | 3N  | 106 | 58W |
| Socotra, I.          | 89  | 12 | 30N | 54  | 0E  |
| Söderhamn            | 61  | 61 | 18N | 17  | 10E |
| Soekmekkaar          | 94  | 23 | 30S | 29  | 55E |
| Soest                | 52  | 52 | 9N  | 5   | 19E |
| Sohag                | 91  | 26 | 27N | 31  | 43E |
| Soham                | 40  | 52 | 20N | 0   | 20E |
| Soignies             | 52  | 50 | 35N | 4   | 5E  |
| Soissons             | 56  | 49 | 25N | 3   | 19E |
| Sokółka              | 55  | 45 | 53N | 23  | 30E |
| Sokoto               | 90  | 13 | 2N  | 5   | 16E |
| Solai                | 93  | 0  | 2N  | 36  | 12E |
| Soledad              | 107 | 10 | 55N | 74  | 46W |
| Solent, The          | 40  | 50 | 45N | 1   | 25W |
| Solihiull            | 41  | 52 | 26N | 1   | 47W |
| Solingen             | 52  | 51 | 10N | 7   | 4E  |
| Solomon Is.          | 79  | 6  | 0S  | 155 | 0E  |
| Solomon Sea          | 79  | 7  | 0S  | 150 | 0E  |
| Solway Firth         | 32  | 54 | 45N | 3   | 38W |
| Sombor               | 55  | 45 | 46N | 19  | 17E |
| Sombrerete           | 106 | 23 | 40N | 103 | 40W |
| Somerses             | 101 | 37 | 5N  | 84  | 40W |
| Somerses □           | 42  | 51 | 9N  | 3   | 0W  |
| Somerses East        | 94  | 32 | 42S | 25  | 35E |
| Somerses, I.         | 98  | 73 | 30N | 93  | 0W  |
| Somerses West        | 94  | 34 | 8S  | 18  | 50E |
| Somerton             | 43  | 51 | 3N  | 2   | 45W |
| Somes, R.            | 55  | 47 | 15N | 23  | 45E |
| Songea               | 93  | 10 | 40S | 35  | 40E |
| Songkhla             | 72  | 7  | 13N | 100 | 37E |
| Sonning Common       | 41  | 51 | 28N | 0   | 54W |
| Sonora, R.           | 106 | 28 | 30N | 111 | 33W |
| Soochow              | 73  | 31 | 18N | 120 | 41E |
| Sopron               | 54  | 47 | 41N | 16  | 37E |
| Sorgono              | 58  | 40 | 0N  | 9   | 0E  |

|       |    |    |     |  |
|-------|----|----|-----|--|
| Soria | 60 | 41 | 43N |  |
|-------|----|----|-----|--|



|                         |     |    |      |     |      |
|-------------------------|-----|----|------|-----|------|
| Sühbaatar □             | 73  | 46 | 54N  | 113 | 25 E |
| Suihwa                  | 73  | 46 | 40N  | 126 | 57 E |
| Suir, R.                | 51  | 52 | 31N  | 7   | 59W  |
| Sukhumi                 | 71  | 43 | 0N   | 41  | 0 E  |
| Sukkur                  | 71  | 27 | 50N  | 68  | 46 E |
| Sulaimaniya             | 71  | 35 | 35N  | 45  | 29 E |
| Sulawesi, I.            | 72  | 2  | 0 S  | 120 | 0 E  |
| Sulina                  | 55  | 45 | 10N  | 29  | 40 E |
| Sulitjelma              | 61  | 61 | 7N   | 16  | 8 E  |
| Sulu Arch.              | 72  | 6  | 0N   | 121 | 0 E  |
| Sulu Sea                | 72  | 8  | 0N   | 120 | 0 E  |
| Suluq                   | 89  | 31 | 44N  | 20  | 14 E |
| Sumatera, I.            | 72  | 0  | 40N  | 100 | 20 E |
| Sumba, I.               | 72  | 9  | 45 S | 119 | 35 E |
| Sumbawa, I.             | 72  | 8  | 34 S | 117 | 17 E |
| Sumbawanga □            | 93  | 8  | 0 S  | 31  | 30 E |
| Sumter                  | 101 | 33 | 55N  | 80  | 10W  |
| Sunart, L.              | 48  | 56 | 42N  | 5   | 43W  |
| Sunbury on Thames       | 41  | 51 | 24N  | 0   | 24W  |
| Sunda Str.              | 72  | 6  | 20 S | 105 | 30 E |
| Sundarbans, The         | 70  | 22 | 0N   | 89  | 0 E  |
| Sundays, R.             | 94  | 32 | 10 S | 24  | 40 E |
| Sunderland              | 44  | 54 | 54N  | 1   | 22W  |
| Sundsvall               | 61  | 62 | 23N  | 17  | 17 E |
| Sungari, R.             | 73  | 44 | 30N  | 126 | 20 E |
| Sunninghill             | 41  | 51 | 25N  | 0   | 40W  |
| Suo-Nada                | 76  | 33 | 50N  | 131 | 30 E |
| Superior, Nebr., U.S.A. | 100 | 40 | 30   | 38  | 2W   |
| Superior, Wis., U.S.A.  | 101 | 46 | 45N  | 92  | 5W   |
| Superior, L.            | 101 | 47 | 40N  | 87  | 0W   |
| Sür                     | 89  | 33 | 19N  | 35  | 16 E |
| Surabaja                | 72  | 7  | 17 S | 112 | 45 E |
| Surakarta               | 72  | 7  | 35 S | 110 | 48 E |
| Surat                   | 70  | 21 | 12N  | 72  | 55 E |
| Surinam ■               | 108 | 4  | 0N   | 56  | 15W  |
| Surrey □                | 40  | 51 | 16N  | 0   | 30W  |
| Susa                    | 58  | 45 | 8 S  | 7   | 3 E  |
| Susanville              | 105 | 40 | 28N  | 120 | 40W  |
| Sutherland              | 94  | 32 | 33 S | 20  | 40 E |
| Sutherland Falls        | 83  | 44 | 48 S | 167 | 46 E |
| Sutterton               | 45  | 52 | 54N  | 0   | 8W   |
| Sutton                  | 41  | 51 | 22N  | 0   | 13W  |
| Sutton Bridge           | 45  | 52 | 46N  | 0   | 12 E |
| Sutton Coldfield        | 41  | 52 | 33N  | 1   | 50W  |
| Sutton-in-Ashfield      | 44  | 52 | 8N   | 1   | 16W  |
| Suva                    | 23  | 17 | 40 S | 178 | 8 E  |
| Suwa                    | 76  | 36 | 2N   | 138 | 8 E  |
| Svalbard                | 112 | 78 | 0N   | 17  | 0 E  |
| Svealand □              | 61  | 59 | 55N  | 15  | 0 E  |
| Sverdlovsk              | 62  | 56 | 50N  | 60  | 30 E |
| Sverdlovsk Is.          | 98  | 79 | 0N   | 97  | 0W   |
| Svobodnyy               | 73  | 51 | 20N  | 128 | 0 E  |
| Swadincote              | 45  | 52 | 47N  | 1   | 34W  |
| Swaffham                | 40  | 52 | 38N  | 0   | 42 E |
| Swakopmund              | 92  | 22 | 37 S | 14  | 30 E |
| Swale, R.               | 44  | 54 | 18N  | 1   | 20W  |
| Swan Hill               | 79  | 35 | 20 S | 143 | 33 E |
| Swan, R.                | 78  | 32 | 3 S  | 115 | 35 E |
| Swanage                 | 43  | 50 | 36N  | 1   | 59W  |
| Swanley                 | 41  | 51 | 23N  | 0   | 10 E |
| Swanlinbar              | 50  | 54 | 11N  | 7   | 42W  |
| Swanscombe              | 41  | 51 | 27N  | 0   | 13 E |
| Swansea                 | 43  | 51 | 37N  | 3   | 57W  |
| Swansea Bay             | 42  | 51 | 34N  | 3   | 55W  |
| Swartberge              | 94  | 33 | 20 S | 22  | 0 E  |
| Swaziland ■             | 94  | 26 | 30 S | 31  | 30 E |
| Sweden                  | 54  | 67 | 0N   | 16  | 0 E  |
| Sweetwater              | 100 | 32 | 30N  | 100 | 28W  |
| Swellendam              | 94  | 34 | 1 S  | 20  | 26 E |
| Swift Current           | 98  | 50 | 20N  | 107 | 45W  |
| Swilly, L.              | 50  | 55 | 12N  | 7   | 35W  |
| Swindon                 | 42  | 51 | 33N  | 1   | 47W  |
| Swinford                | 50  | 53 | 57N  | 8   | 57W  |
| Swinoujście             | 54  | 53 | 54N  | 14  | 16 E |
| Swinton                 | 45  | 53 | 31N  | 2   | 21W  |
| Switzerland ■           | 54  | 46 | 30N  | 8   | 0 E  |
| Swords                  | 51  | 53 | 27N  | 6   | 15W  |
| Sydney, Austral.        | 79  | 33 | 53 S | 151 | 10 E |
| Sydney, Can.            | 99  | 46 | 7N   | 60  | 7W   |
| Sylhet                  | 70  | 24 | 54N  | 91  | 52 E |
| Syracuse                | 104 | 43 | 45   | 68  | 11W  |
| Syrdarya, R.            | 46  | 45 | 0N   | 65  | 0 E  |
| Syre                    | 48  | 58 | 22N  | 4   | 14W  |
| Syria ■                 | 89  | 35 | 0N   | 38  | 0 E  |
| Syston                  | 45  | 52 | 42N  | 1   | 5W   |
| Szczecin                | 54  | 53 | 27N  | 14  | 27 E |
| Szczecinek              | 54  | 53 | 43N  | 16  | 41 E |
| Szechwan □              | 73  | 30 | 15N  | 103 | 15 E |
| Székesfehérvár          | 55  | 47 | 15N  | 18  | 25 E |
| Szolnok                 | 55  | 47 | 10N  | 20  | 15 E |
| Szombathely             | 54  | 47 | 14N  | 16  | 38 E |

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|                      |     |    |      |     |      |
|----------------------|-----|----|------|-----|------|
| Tablas, I.           | 72  | 12 | 25N  | 122 | 2 E  |
| Table Mt.            | 94  | 34 | 0 S  | 18  | 22 E |
| Tábor                | 54  | 49 | 25N  | 14  | 39 E |
| Tabora               | 93  | 5  | 2 S  | 32  | 57 E |
| Tabriz               | 71  | 38 | 7N   | 46  | 20 E |
| Tacloban             | 72  | 11 | 15N  | 124 | 58 E |
| Tacna                | 108 | 18 | 0 S  | 70  | 20W  |
| Tacoma               | 105 | 47 | 15N  | 122 | 30W  |
| Tadcaster            | 45  | 53 | 53N  | 1   | 16W  |
| Tademaït, Plateau du | 88  | 28 | 30N  | 2   | 30 E |
| Tadmor               | 83  | 41 | 27 S | 172 | 45 E |
| Tadzjik S.S.R. □     | 71  | 35 | 30N  | 70  | 0 E  |
| Taegu                | 73  | 35 | 50N  | 128 | 37 E |
| Taejón               | 73  | 36 | 20N  | 127 | 28 E |
| Taganrog             | 62  | 47 | 12N  | 38  | 50 E |
| Taghmon              | 51  | 52 | 19N  | 6   | 40W  |
| Tagus = Tajo, R.     | 60  | 39 | 44N  | 5   | 50W  |
| Tahakopa             | 83  | 46 | 30 S | 169 | 23 E |
| Tahcheng             | 73  | 46 | 50N  | 83  | 1 E  |
| Tahiti, I.           | 22  | 17 | 37 S | 149 | 27W  |
| Tahoe, L.            | 105 | 39 | 0N   | 120 | 9W   |
| Tahta                | 91  | 26 | 44N  | 31  | 32 E |
| Tai Hu               | 73  | 31 | 10N  | 120 | 0 E  |
| Taichung             | 73  | 24 | 10N  | 120 | 35 E |
| Taihang Shan         | 73  | 35 | 40N  | 113 | 20 E |
| Taihape              | 83  | 39 | 41 S | 175 | 48 E |
| Taimyr Pen.          | 62  | 75 | 0N   | 100 | 0 E  |

|                      |     |    |      |     |      |
|----------------------|-----|----|------|-----|------|
| Tain                 | 48  | 57 | 49N  | 4   | 4W   |
| Tainan               | 73  | 23 | 0N   | 120 | 15 E |
| Taipei               | 73  | 25 | 2N   | 121 | 30 E |
| Taitung              | 73  | 22 | 43N  | 121 | 4 E  |
| Taiwan ■             | 73  | 23 | 30N  | 121 | 0 E  |
| Taiyuan              | 73  | 38 | 0N   | 112 | 30 E |
| Tajima               | 76  | 35 | 19N  | 135 | 8 E  |
| Tajo, R.             | 60  | 40 | 35N  | 1   | 52W  |
| Tak                  | 72  | 16 | 52N  | 99  | 8 E  |
| Takaka               | 83  | 40 | 51 S | 172 | 50 E |
| Takamatsu            | 76  | 34 | 20N  | 134 | 5 E  |
| Takaoka              | 76  | 36 | 40N  | 137 | 0 E  |
| Takapuna             | 83  | 36 | 47 S | 174 | 47 E |
| Takasaki             | 76  | 36 | 20N  | 139 | 0 E  |
| Takayama             | 76  | 36 | 18N  | 137 | 11 E |
| Takeluf              | 76  | 35 | 50N  | 136 | 10 E |
| Talai                | 73  | 45 | 30N  | 124 | 20 E |
| Talata Mafara        | 90  | 12 | 38N  | 6   | 4 E  |
| Talau Is.            | 72  | 4  | 30N  | 127 | 10 E |
| Talavera de la Reina | 60  | 39 | 55N  | 4   | 46W  |
| Talca                | 108 | 35 | 20 S | 71  | 46W  |
| Taldy Kurgan         | 73  | 45 | 10N  | 78  | 45 E |
| Talgarth             | 42  | 51 | 59N  | 3   | 15W  |
| Tali                 | 73  | 25 | 45N  | 100 | 5 E  |
| Taliabu, I.          | 72  | 1  | 45 S | 125 | 0 E  |
| Talkeetna            | 98  | 62 | 20N  | 150 | 0W   |
| Tallaght             | 51  | 53 | 17N  | 6   | 22W  |
| Tallahassee          | 101 | 30 | 25N  | 84  | 15 E |
| Tallinn              | 61  | 59 | 29N  | 24  | 58 E |
| Tallow               | 51  | 52 | 6N   | 8   | 0W   |
| Tallybont            | 42  | 52 | 29N  | 3   | 59W  |
| Tama Abu Ra.         | 72  | 3  | 10N  | 115 | 0 E  |
| Tamale               | 88  | 9  | 22N  | 0   | 50W  |
| Tamanrasset          | 88  | 22 | 56N  | 68  | 40 E |
| Tamar, R.            | 43  | 50 | 33N  | 4   | 15W  |
| *Tamatave            | 92  | 18 | 10N  | 49  | 25 E |
| Tambov               | 62  | 52 | 45N  | 41  | 20 E |
| Tame, R.             | 41  | 52 | 43N  | 1   | 45W  |
| Tamgak, Mts.         | 88  | 19 | 12N  | 8   | 35 E |
| Tamil Nadu □         | 70  | 11 | 0N   | 77  | 0 E  |
| Tampa                | 101 | 27 | 57N  | 82  | 30W  |
| Tampere              | 61  | 61 | 30N  | 23  | 50 E |
| Tampico              | 106 | 22 | 20N  | 97  | 50W  |
| Tamsagbulag          | 73  | 27 | 14N  | 117 | 21 E |
| Tamu                 | 70  | 24 | 13N  | 94  | 12 E |
| Tamworth, Austral.   | 79  | 31 | 0 S  | 150 | 58 E |
| Tamworth, U.K.       | 41  | 52 | 38N  | 1   | 41W  |
| Tanacross            | 83  | 63 | 40N  | 143 | 30W  |
| Tanami Des.          | 78  | 18 | 55N  | 132 | 0 E  |
| Tananarive □         | 92  | 19 | 0 S  | 47  | 0 E  |
| Tandao Adam          | 71  | 25 | 45N  | 68  | 40 E |
| Tandragee            | 50  | 54 | 22N  | 6   | 23W  |
| Tane-ga-Shima        | 76  | 30 | 30N  | 131 | 0 E  |
| Taneatua             | 83  | 38 | 4 S  | 177 | 1 E  |
| Tanezrouft           | 88  | 23 | 9N   | 0   | 11 E |
| Tanga                | 93  | 5  | 5 S  | 39  | 2 E  |
| Tanganyika, L.       | 93  | 6  | 40 S | 30  | 0 E  |
| Tangier              | 88  | 35 | 50N  | 5   | 49W  |
| Tangliha Shan        | 73  | 33 | 0N   | 90  | 0 E  |
| Tangshan             | 73  | 39 | 40N  | 118 | 10 E |
| Tanimbar Is.         | 72  | 7  | 30 S | 131 | 30 E |
| Tanjungbalai         | 72  | 2  | 55N  | 99  | 44 E |
| Tanta                | 91  | 30 | 45N  | 30  | 57 E |
| Tanzania ■           | 93  | 6  | 40 S | 34  | 0 E  |
| Taonan               | 73  | 45 | 30N  | 122 | 20 E |
| Tapa Shan            | 73  | 31 | 45N  | 109 | 30 E |
| Tapajós, R.          | 108 | 4  | 30 S | 56  | 10W  |
| Tapanui              | 83  | 45 | 56N  | 169 | 18 E |
| Tapuaenuku, Mt.      | 83  | 41 | 55 S | 173 | 50 E |
| Tarabulus = Tripoli  | 88  | 34 | 31N  | 33  | 52 E |
| Taranaki □           | 83  | 39 | 5 S  | 174 | 51 E |
| Taransay, I.         | 48  | 57 | 54N  | 7   | 0W   |
| Taranto              | 58  | 40 | 30N  | 17  | 11 E |
| Taranto, G. of       | 58  | 40 | 0N   | 17  | 15 E |
| Tararua Range        | 83  | 40 | 45 S | 175 | 25 E |
| Tarawera             | 83  | 39 | 2 S  | 176 | 36 E |
| Tarbagatai Ra.       | 62  | 48 | 30N  | 83  | 0 E  |
| Tarbat Ness          | 48  | 57 | 52N  | 3   | 48W  |
| Tarbert, Ireland     | 51  | 52 | 34N  | 9   | 22W  |
| Tarbert, U.K.        | 48  | 57 | 54N  | 6   | 49W  |
| Tarbes               | 56  | 43 | 15N  | 0   | 3 E  |
| Tarbet               | 46  | 56 | 13N  | 4   | 44W  |
| Tarcoola             | 78  | 30 | 44 S | 134 | 36 E |
| Taree                | 79  | 31 | 50 S | 152 | 30 E |
| Tarf Shaqa al Abd    | 91  | 26 | 50N  | 36  | 6 E  |
| Tarfa, Wadi el       | 91  | 28 | 16N  | 31  | 15 E |
| Tarifa               | 60  | 36 | 1N   | 5   | 36W  |
| Tarkastad            | 94  | 32 | 0 S  | 26  | 16 E |
| Tarleton             | 45  | 53 | 41N  | 2   | 50W  |
| Tarn, R.             | 55  | 44 | -5N  | 1   | 2 E  |
| Tarnobrzeg □         | 50  | 50 | 40N  | 22  | 0 E  |
| Tarnów               | 55  | 50 | 3N   | 21  | 0 E  |
| Tarporley            | 44  | 53 | 10N  | 2   | 42W  |
| Tarragona            | 60  | 41 | 5N   | 1   | 17 E |
| Tarrasa              | 60  | 41 | 26N  | 2   | 1 E  |
| Tartu                | 61  | 58 | 25N  | 26  | 58 E |
| Tashauz              | 71  | 42 | 0N   | 59  | 20 E |
| Tashigong            | 73  | 33 | 0N   | 79  | 30 E |
| Tashkent             | 71  | 41 | 20N  | 69  | 10 E |
| Tashkurghan          | 71  | 36 | 45N  | 67  | 20 E |
| Tasman Bay           | 83  | 40 | 59 S | 173 | 25 E |
| Tasman Mts.          | 83  | 41 | 3 S  | 172 | 25 E |
| Tasman Sea           | 83  | 36 | 0 S  | 160 | 0 E  |
| Tasmania, I. □       | 79  | 49 | 0 S  | 146 | 30 E |
| Tatabánya            | 55  | 47 | 32N  | 18  | 25 E |
| Tatarsk              | 62  | 55 | 20N  | 75  | 50 E |
| Tateyama             | 76  | 35 | 0N   | 139 | 50 E |
| Tatsaitan            | 73  | 37 | 55N  | 95  | 0 E  |
| Tat'ung              | 73  | 40 | 9N   | 113 | 19 E |
| Taumarunui           | 83  | 38 | 53 S | 175 | 15 E |
| Taung                | 94  | 27 | 33 S | 24  | 47 E |
| Taunggyi             | 70  | 20 | 50N  | 97  | 0 E  |
| Taunton              | 43  | 51 | 1N   | 3   | 7W   |
| Taupo                | 83  | 38 | 41 S | 176 | 7 E  |
| Taupo, L.            | 83  | 38 | 46 S | 175 | 55 E |
| Tauranga             | 83  | 37 | 35 S | 176 | 11 E |
| Taurianova           | 58  | 38 | 22N  | 16  | 1 E  |
| Taurus Mts.          | 71  | 37 | 0N   | 35  | 0 E  |
| Tavani               | 98  | 62 | 10N  | 93  | 30W  |
| Tavira               | 60  | 37 | 8N   | 7   | 40W  |
| Tavistock            | 43  | 50 | 33N  | 4   | 9W   |
| Tavoy                | 70  | 14 | 7N   | 98  | 18 E |
| Taw, R.              | 43  | 50 | 58N  | 3   | 58W  |

\* Renamed Taomasina

|     |    |     |     |     |                      |     |    |     |     |     |
|-----|----|-----|-----|-----|----------------------|-----|----|-----|-----|-----|
| 47  | 56 | 25N | 3   | 8W  | Thun                 | 54  | 46 | 45N | 7   | 38E |
| 48  | 56 | 30N | 4   | 10W | Thunder B.           | 98  | 48 | 20N | 89  | 0W  |
| 46  | 56 | 37N | 3   | 38W | Thurcroft            | 45  | 53 | 24N | 1   | 13W |
| 100 | 35 | 16N | 107 | 50W | Thurles              | 51  | 52 | 40N | 7   | 53W |
| 71  | 27 | 35S | 38  | 45E | Thurlstone           | 45  | 53 | 31N | 1   | 37W |
| 46  | 56 | 25N | 5   | 15W | Thurston             | 41  | 52 | 40N | 1   | 8W  |
| 47  | 56 | 27N | 2   | 52W | Thurso               | 48  | 58 | 36N | 3   | 30W |
| 48  | 56 | 25N | 3   | 30W | Thurso, R.           | 58  | 41 | 44N | 12  | 14E |
| 71  | 41 | 50N | 44  | 50E | Tiber, R.            | 89  | 32 | 47N | 35  | 32E |
| 83  | 45 | 15S | 167 | 45E | Tiberias             | 88  | 21 | 0N  | 17  | 30E |
| 83  | 38 | 15S | 175 | 45E | Tibesti              | 73  | 32 | 30N | 86  | 1E  |
| 83  | 38 | 15S | 175 | 20E | Tiboobourra          | 79  | 29 | 26S | 142 | 0E  |
| 83  | 38 | 20S | 175 | 11E | Tiborón, I.          | 106 | 29 | 0N  | 112 | 30W |
| 83  | 37 | 46S | 176 | 22E | Ticino, R.           | 58  | 45 | 9N  | 9   | 14E |
| 44  | 54 | 25N | 2   | 35W | Tidesswell           | 45  | 53 | 17N | 1   | 46W |
| 72  | 3  | 38S | 102 | 1E  | Tiel                 | 52  | 51 | 53N | 5   | 26E |
| 55  | 45 | 51N | 27  | 27E | Tielt                | 52  | 51 | 0N  | 3   | 20E |
| 44  | 54 | 36N | 1   | 25W | Tien Shan            | 73  | 42 | 0N  | 80  | 0E  |
| 44  | 54 | 37N | 2   | 10W | Tienen               | 52  | 50 | 48N | 4   | 57E |
| 72  | 6  | 52S | 109 | 8E  | Tienshui             | 73  | 34 | 30N | 105 | 34E |
| 90  | 10 | 5N  | 6   | 11E | Tientsin             | 73  | 39 | 10N | 69  | 0W  |
| 106 | 14 | 10N | 87  | 0W  | Tierra del Fuego, I. | 108 | 54 | 0S  | 117 | 0W  |
| 71  | 35 | 44N | 51  | 30E | Tighnabraich         | 46  | 55 | 55N | 5   | 13W |
| 106 | 16 | 10N | 95  | 19W | Tigris, R.           | 71  | 37 | 0N  | 42  | 30E |
| 106 | 15 | 50N | 95  | 0W  | Tijuana              | 106 | 32 | 30N | 117 | 30E |
| 106 | 17 | 0N  | 94  | 30W | Tikhvin              | 61  | 59 | 35N | 33  | 30E |
| 42  | 52 | 4N  | 4   | 14W | Tiko                 | 90  | 4  | 4N  | 9   | 20E |
| 42  | 50 | 41N | 3   | 42W | Tikui                | 62  | 71 | 50N | 129 | 0E  |
| 43  | 50 | 33N | 3   | 30W | Tilburg              | 52  | 51 | 31N | 5   | 26E |
| 83  | 43 | 53S | 170 | 33E | Tillicoultry         | 41  | 51 | 27N | 0   | 24E |
| 89  | 32 | 4N  | 34  | 48E | Timarau              | 47  | 56 | 9N  | 3   | 44W |
| 106 | 15 | 40N | 87  | 28W | Timau                | 93  | 44 | 23S | 171 | 14E |
| 45  | 52 | 42N | 2   | 31W | Timbaktu =           | 83  | 0  | 4N  | 37  | 15E |
| 72  | 5  | 29S | 105 | 17E | Tomboctou            | 88  | 16 | 50N | 3   | 0W  |
| 94  | 31 | 35S | 28  | 0E  | Timisoara            | 55  | 45 | 43N | 21  | 15E |
| 42  | 52 | 23N | 2   | 15W | Timmins              | 99  | 48 | 28N | 81  | 25W |
| 101 | 31 | 5N  | 97  | 28W | Timor, I.            | 72  | 9  | 0S  | 125 | 0E  |
| 79  | 12 | 15S | 143 | 3E  | Timor Sea            | 72  | 10 | 0S  | 127 | 0E  |
| 51  | 52 | 48N | 7   | 50W | Tindouf              | 88  | 27 | 50N | 8   | 4W  |
| 108 | 38 | 50S | 72  | 50W | Tingley              | 45  | 53 | 44N | 1   | 35W |
| 83  | 44 | 14S | 171 | 17E | Tintagel             | 43  | 50 | 40N | 4   | 45W |
| 70  | 12 | 6N  | 99  | 3E  | Intern               | 42  | 51 | 42N | 2   | 41W |
| 42  | 52 | 18N | 2   | 35W | Tipperary            | 51  | 52 | 28N | 8   | 10W |
| 42  | 51 | 40N | 4   | 42W | Tipperary □          | 51  | 52 | 37N | 2   | 4W  |
| 88  | 28 | 20N | 16  | 40W | Tipton               | 41  | 52 | 32N | 2   | 3W  |
| 73  | 35 | 8N  | 117 | 2E  | Tirane               | 40  | 51 | 48N | 0   | 46E |
| 78  | 19 | 30S | 134 | 0E  | Tiran                | 91  | 27 | 56N | 34  | 35E |
| 101 | 36 | 0N  | 86  | 30W | Tiraspol             | 55  | 46 | 55N | 29  | 35E |
| 101 | 34 | 30N | 86  | 20W | Tiree, I.            | 48  | 56 | 31N | 6   | 55W |
| 76  | 34 | 52N | 137 | 55E | Tirgu Mureş          | 55  | 46 | 31N | 24  | 38E |
| 40  | 51 | 4N  | 0   | 42E | Tiruchirappalli      | 70  | 10 | 45N | 78  | 45E |
| 79  | 29 | 0S  | 152 | 0E  | Tisa, R.             | 55  | 45 | 18N | 20  | 17E |
| 106 | 21 | 30N | 104 | 54W | Tisza, R.            | 55  | 47 | 38N | 20  | 44E |
| 58  | 42 | 40N | 13  | 40E | Titicaca, L.         | 108 | 15 | 30S | 69  | 30W |
| 108 | 5  | 2S  | 42  | 45W | Titlagarh            | 70  | 20 | 15N | 83  | 5E  |
| 71  | 37 | 0N  | 67  | 15E | Titiwa               | 90  | 12 | 14N | 12  | 53E |
| 58  | 37 | 59N | 13  | 51E | Tivotov Užice        | 55  | 43 | 55N | 19  | 50E |
| 58  | 42 | 0N  | 15  | 0E  | Tiverton             | 43  | 50 | 54N | 3   | 30W |
| 61  | 65 | 50N | 24  | 12E | Tlacotalpán          | 106 | 18 | 37N | 95  | 40W |
| 58  | 42 | 34N | 12  | 38E | Tlaxcala             | 106 | 19 | 20N | 98  | 14W |
| 55  | 49 | 30N | 25  | 40E | Tlaxiaco             | 106 | 17 | 10N | 97  | 40W |
| 58  | 41 | 17N | 13  | 12E | Toba                 | 76  | 34 | 30N | 133 | 50E |
| 58  | 39 | 32N | 13  | 20E | Tobago, I.           | 72  | 2  | 40N | 98  | 50E |
| 52  | 53 | 25N | 5   | 20E | Tobercurry           | 50  | 54 | 3N  | 8   | 43W |
| 60  | 40 | 22N | 1   | 8W  | Tobruk               | 89  | 32 | 7N  | 23  | 55E |
| 76  | 44 | 53N | 141 | 44E | Toceantins, R.       | 108 | 14 | 30S | 49  | 0W  |
| 76  | 44 | 53N | 141 | 45E | Tochigi              | 76  | 36 | 25N | 139 | 45E |
| 90  | 13 | 47N | 7   | 56E | Todmorden            | 45  | 53 | 43N | 2   | 7W  |
| 40  | 51 | 7N  | 1   | 30W | Togo ■               | 88  | 6  | 15N | 1   | 35E |
| 42  | 51 | 37N | 2   | 9W  | Tokaj                | 55  | 48 | 8N  | 21  | 27E |
| 92  | 16 | 13S | 33  | 33E | Tokanui              | 83  | 46 | 34S | 168 | 56E |
| 100 | 47 | 58N | 111 | 0N  | Tokara Is.           | 76  | 29 | 0N  | 129 | 0E  |
| 41  | 52 | 35N | 2   | 7W  | Tokarahi             | 83  | 44 | 56S | 170 | 39E |
| 88  | 35 | 30N | 5   | 25W | Tokelau Is.          | 22  | 9  | 0S  | 172 | 0W  |
| 46  | 55 | 21N | 2   | 51W | Tokunoshima          | 76  | 27 | 56N | 128 | 55E |
| 46  | 55 | 25N | 2   | 80W | Tokushima            | 76  | 34 | 45N | 134 | 34E |
| 42  | 51 | 59N | 2   | 5W  | Tokuyama             | 76  | 34 | 0N  | 133 | 50E |
| 101 | 33 | 25N | 94  | 3W  | Tókýu                | 76  | 35 | 45N | 133 | 50E |
| 101 | 31 | 40N | 98  | 30W | Tolaga Bay           | 83  | 38 | 21S | 178 | 20E |
| 52  | 53 | 5N  | 4   | 50E | Toledo, Spain        | 60  | 39 | 50N | 4   | 2W  |
| 70  | 26 | 40N | 92  | 45E | Toledo, U.S.A.       | 104 | 41 | 37N | 83  | 33N |
| 94  | 29 | 10S | 26  | 52E | Toledo, Mts.         | 60  | 39 | 33N | 4   | 20W |
| 94  | 29 | 45S | 28  | 0E  | Tolima □             | 107 | 3  | 45N | 75  | 15W |
| 94  | 29 | 30S | 29  | 9E  | Tolosa               | 60  | 43 | 8N  | 2   | 5W  |
| 94  | 24 | 40S | 26  | 4E  | Toluca               | 106 | 19 | 20N | 99  | 50W |
| 72  | 16 | 0N  | 102 | 0E  | Tomakomai            | 76  | 42 | 38N | 141 | 36E |
| 40  | 51 | 35N | 1   | 8W  | Tomatin              | 48  | 57 | 20N | 4   | 0W  |
| 83  | 37 | 7S  | 175 | 34E | Tomboctou            | 88  | 16 | 50N | 3   | 0W  |
| 40  | 51 | 21N | 1   | 20E | Tomini               | 72  | 0  | 30N | 120 | 30E |
| 72  | 19 | 48N | 105 | 46E | Tomintoul            | 48  | 57 | 15N | 3   | 22W |
| 70  | 28 | 25N | 72  | 0E  | Tomsk                | 62  | 56 | 30N | 85  | 12E |
| 79  | 27 | 58S | 143 | 46E | Tonbridge            | 40  | 51 | 12N | 0   | 18E |
| 40  | 51 | 24N | 1   | 17W | Tone R.              | 43  | 50 | 59N | 3   | 15W |
| 40  | 51 | 57N | 0   | 20E | Tonga Is. ■          | 22  | 20 | 0S  | 173 | 0W  |
| 105 | 45 | 40N | 121 | 11W | Tongaat              | 94  | 29 | 33S | 31  | 9E  |
| 98  | 53 | 45N | 101 | 35W | Tongaland            | 94  | 27 | 0S  | 32  | 0E  |
| 79  | 24 | 55S | 150 | 3E  | Tongeren             | 52  | 50 | 47N | 5   | 28E |
| 100 | 43 | 35N | 108 | 10W | Tongkling, G. of     | 72  | 13 | 0N  | 108 | 0E  |
| 89  | 40 | 38N | 23  | 0E  | Tonle Sap            | 72  | 13 | 0N  | 104 | 0E  |
| 40  | 52 | 25N | 0   | 44E | Tonopah              | 100 | 38 | 4N  | 117 | 12W |
| 104 | 46 | 8N  | 71  | 18W | Tonyrefail           | 43  | 51 | 35N | 3   | 26W |
| 41  | 51 | 40N | 0   | 06E | Tooele               | 100 | 40 | 30N | 112 | 20W |
| 93  | 1  | 1S  | 37  | 5E  | Toome                | 50  | 54 | 45N | 6   | 28W |
| 56  | 49 | 20N | 6   | 10E | Toowoomba            | 79  | 27 | 32S | 151 | 56E |
| 44  | 54 | 15N | 1   | 20W | Topeka               | 101 | 39 | 3N  | 95  | 40W |
| 51  | 52 | 32N | 7   | 10W | Topolobampo          | 106 | 25 | 40N | 109 | 10W |
| 98  | 50 | 15N | 121 | 24W | Topsham              | 43  | 50 | 40N | 3   | 27W |
| 105 | 39 | 46N | 93  | 37W | Torbay               | 43  | 50 | 26N | 3   | 31W |
| 44  | 54 | 36N | 1   | 19W | Tordesillas          | 60  | 41 | 30N | 5   | 0W  |
| 43  | 51 | 36N | 2   | 19W | Torhout              | 52  | 51 | 5N  | 3   | 7E  |
| 43  | 53 | 36N | 0   | 56W | Tormes, R.           | 60  | 41 | 7N  | 6   | 0W  |
| 42  | 52 | 37N | 0   | 8W  | Torne, R.            | 61  | 65 | 50N | 24  | 12E |
| 46  | 55 | 15N | 3   | 46W | Tornio               | 61  | 65 | 50N | 24  | 12E |
| 44  | 54 | 45N | 1   | 26W | Toronto              | 43  | 50 | 45N | 34  | 12W |
| 47  | 45 | 48N | 4   | 18W | Tororo               | 43  | 50 | 23N | 4   | 31W |
| 45  | 53 | 52N | 3   | 1W  | Torpoint             | 43  | 50 | 27N | 3   | 1W  |
| 40  | 52 | 24N | 0   | 32W | Torquay              | 60  | 41 | 12N | 7   | 8W  |
| 44  | 54 | 58N | 1   | 49W | Torre de Moncorvo    | 60  | 43 | 20N | 4   | 5W  |
| 45  | 53 | 27N | 1   | 18W | Torrelavega          | 60  | 36 | 38N | 4   | 30W |
| 52  | 50 | 20N | 4   | 17E | Torremolinos         | 60  | 43 | 20N | 4   | 5W  |
| 99  | 77 | 30N | 69  | 0W  |                      |     |    |     |     |     |



Torreón

|                               |     |    |     |     |     |
|-------------------------------|-----|----|-----|-----|-----|
| Torreón                       | 106 | 25 | 33N | 103 | 25W |
| Torres                        | 106 | 28 | 46N | 110 | 47W |
| Torres Strait                 | 79  | 9  | 50S | 142 | 20E |
| Torres Vedras                 | 60  | 39 | 5N  | 9   | 15W |
| Torridge, R.                  | 43  | 50 | 51N | 4   | 10W |
| Torrion, L.                   | 48  | 57 | 35N | 5   | 50W |
| Tortosa                       | 60  | 40 | 49N | 0   | 31E |
| Tortosa C.                    | 60  | 40 | 41N | 0   | 52E |
| Torun                         | 55  | 53 | 0N  | 18  | 39E |
| Tory I.                       | 55  | 50 | 17N | 8   | 12W |
| Totland                       | 40  | 50 | 41N | 1   | 32W |
| Totley                        | 45  | 53 | 18N | 1   | 32W |
| Tottington                    | 45  | 53 | 36N | 2   | 20W |
| Totton                        | 40  | 50 | 55N | 1   | 29W |
| Tottori                       | 76  | 35 | 30N | 134 | 15E |
| Toul                          | 56  | 48 | 0N  | 5   | 53E |
| Toulon                        | 56  | 43 | 10N | 5   | 55E |
| Toulouse                      | 56  | 43 | 37N | 1   | 27E |
| Touraine                      | 56  | 47 | 20N | 0   | 30E |
| Tournai                       | 52  | 50 | 35N | 3   | 25E |
| Tours                         | 56  | 47 | 22N | 0   | 40E |
| Touwsrivier                   | 94  | 33 | 20S | 20  | 0E  |
| Towcester                     | 40  | 52 | 7N  | 0   | 56W |
| Tower Hamlets                 | 41  | 51 | 32N | 0   | 02W |
| Townshend, C.                 | 79  | 22 | 18S | 150 | 30E |
| Townsville                    | 79  | 19 | 15S | 146 | 45E |
| Toyama                        | 76  | 36 | 40N | 137 | 15E |
| Toyama, B.                    | 76  | 37 | 0N  | 137 | 30E |
| Toyohashi                     | 76  | 36 | 45N | 137 | 25E |
| Toyooka                       | 76  | 35 | 35N | 134 | 55E |
| Trabzon                       | 71  | 41 | 0N  | 39  | 45E |
| Trafalgar, C.                 | 60  | 36 | 10N | 6   | 2W  |
| Trail                         | 98  | 49 | 5N  | 117 | 40W |
| Tralee                        | 51  | 52 | 16N | 9   | 42W |
| Tralee B.                     | 51  | 52 | 17N | 9   | 55W |
| Tramore                       | 51  | 52 | 10N | 7   | 10W |
| Tranent                       | 47  | 55 | 57N | 2   | 58W |
| Trang                         | 72  | 7  | 33N | 99  | 38E |
| Trangan, I.                   | 76  | 6  | 40S | 134 | 20E |
| Tranскеi □                    | 94  | 32 | 15S | 28  | 15E |
| Transvaal □                   | 94  | 25 | 0S  | 29  | 0E  |
| Transylvania                  | 55  | 46 | 19N | 25  | 0E  |
| Transylvanian Alps            | 55  | 45 | 30N | 25  | 0E  |
| Trápani                       | 58  | 38 | 1N  | 12  | 30E |
| Traralgon                     | 79  | 38 | 12S | 146 | 34E |
| Tras os Montes e Alto-Douro □ | 60  | 41 | 25N | 7   | 20W |
| Trasimeno, L.                 | 58  | 43 | 10N | 12  | 5E  |
| Travers, Mt.                  | 83  | 42 | 1S  | 172 | 45E |
| Traverse City                 | 101 | 44 | 45N | 85  | 39W |
| Trebie                        | 54  | 49 | 15N | 15  | 50E |
| Tredegar                      | 43  | 51 | 47N | 3   | 16W |
| Treharris                     | 43  | 51 | 40N | 3   | 17W |
| Treherbert                    | 43  | 51 | 40N | 3   | 32W |
| Tremadog Bay                  | 42  | 52 | 51N | 4   | 18W |
| Tremp                         | 60  | 42 | 10N | 0   | 52E |
| Trent, R.                     | 44  | 53 | 33N | 0   | 44W |
| Trentino-Alto Adige □         | 58  | 46 | 5N  | 11  | 0E  |
| Trento                        | 58  | 46 | 5N  | 11  | 8E  |
| Trenton                       | 104 | 40 | 15N | 74  | 41W |
| Teorochy                      | 43  | 51 | 39N | 3   | 30W |
| Trevise                       | 58  | 45 | 40N | 12  | 15E |
| Trevose Hd.                   | 43  | 50 | 33N | 5   | 3W  |
| Trier                         | 52  | 49 | 45N | 6   | 37E |
| Trieste                       | 58  | 45 | 39N | 13  | 45E |
| Triglav                       | 58  | 46 | 25N | 13  | 45E |
| Trim                          | 51  | 53 | 34N | 6   | 28W |
| Trimdon                       | 54  | 54 | 43N | 1   | 23W |
| Trincomalee                   | 70  | 8  | 38N | 81  | 15E |
| Tring                         | 41  | 51 | 47N | 0   | 39W |
| Trinidad                      | 100 | 37 | 15N | 104 | 30W |
| Trinidad & Tobago ■           | 107 | 10 | 30N | 61  | 20W |
| Trinidad I.                   | 22  | 20 | 20S | 29  | 50W |
| Trinity B.                    | 79  | 16 | 30S | 146 | 0E  |
| Tripoli                       | 88  | 32 | 49N | 13  | 7E  |
| Tristan da Cunha, I.          | 22  | 27 | 6S  | 12  | 20W |
| Trivandrum                    | 70  | 8  | 31N | 77  | 0E  |
| Trois-Rivières                | 104 | 46 | 25N | 72  | 40W |
| Trollhättan                   | 61  | 58 | 17N | 12  | 50E |
| Tromsø                        | 61  | 69 | 40N | 18  | 56E |
| Trondheim                     | 61  | 63 | 25N | 10  | 25E |
| Trondheim Fjord               | 61  | 63 | 35N | 10  | 30E |
| Trossachs, The                | 46  | 56 | 14N | 4   | 24W |
| Trostan                       | 50  | 55 | 4N  | 6   | 10W |
| Trowbridge                    | 51  | 42 | 18N | 2   | 12W |
| Troy                          | 104 | 42 | 45N | 73  | 39W |
| Troves                        | 56  | 48 | 19N | 4   | 3E  |
| Trujillo, Peru                | 108 | 8  | 0S  | 79  | 0W  |
| Trujillo, Venez.              | 106 | 9  | 22N | 70  | 26W |
| Truro, Can.                   | 99  | 45 | 21N | 63  | 14W |
| Truro, U.K.                   | 50  | 40 | 17N | 5   | 2W  |
| Tsaidam                       | 73  | 37 | 0N  | 95  | 0E  |
| Tsangpo                       | 73  | 29 | 40N | 89  | 0E  |
| Tselinograd                   | 62  | 51 | 10N | 71  | 30E |
| Tshabong                      | 94  | 26 | 2S  | 22  | 29E |
| Tsiaotso                      | 73  | 35 | 11N | 113 | 37E |
| Tsin Ling Shan                | 73  | 34 | 0N  | 107 | 30E |
| Tsinan                        | 73  | 36 | 32N | 117 | 0E  |
| Tsinghai □                    | 73  | 36 | 0N  | 96  | 0E  |
| Tsingkiang                    | 73  | 27 | 50N | 114 | 38E |
| Tsinghsih                     | 73  | 29 | 43N | 112 | 13E |
| Tsingtao                      | 73  | 36 | 0N  | 120 | 25E |
| Tsining                       | 73  | 35 | 30N | 116 | 35E |
| Tsitsihar                     | 73  | 47 | 20N | 124 | 0E  |
| Tsu                           | 76  | 34 | 45N | 136 | 25E |
| Tsuchiura                     | 76  | 36 | 12N | 140 | 15E |
| Tsugaru Str.                  | 76  | 41 | 30N | 140 | 30E |
| Tsumi                         | 73  | 27 | 43N | 106 | 52E |
| Tsuruoka                      | 76  | 38 | 44N | 139 | 50E |
| Tsushima, I.                  | 76  | 34 | 20N | 129 | 20E |
| Tsushima-kaikyō               | 76  | 34 | 20N | 130 | 0E  |
| Tsuyama                       | 76  | 35 | 30N | 134 | 0E  |
| Tuam                          | 51  | 53 | 30N | 8   | 50W |
| Tuamotu Arch.                 | 22  | 17 | 0S  | 144 | 0W  |
| Tuapse                        | 71  | 44 | 5N  | 39  | 10E |
| Tuatapere                     | 83  | 46 | 8S  | 167 | 41E |
| Tubuai Is.                    | 22  | 25 | 0S  | 150 | 0W  |
| Tucson                        | 100 | 32 | 14N | 110 | 59W |
| Tucumán □                     | 108 | 26 | 48S | 66  | 2W  |
| Tucumcari                     | 100 | 35 | 12N | 103 | 45W |
| Tucupita                      | 107 | 9  | 14N | 62  | 3W  |
| Tudela                        | 60  | 42 | 4N  | 1   | 39W |
| Tukuyu                        | 93  | 9  | 17S | 33  | 35E |

|                       |     |    |     |     |     |
|-----------------------|-----|----|-----|-----|-----|
| Tula, Mexico          | 106 | 23 | 0N  | 99  | 40W |
| Tula, U.S.S.R.        | 62  | 54 | 13N | 37  | 32E |
| Tulancingo            | 106 | 20 | 5N  | 98  | 22W |
| Tulare                | 100 | 36 | 15N | 119 | 26W |
| Tulcea                | 55  | 45 | 13N | 28  | 46E |
| Tülkarm               | 89  | 32 | 19N | 35  | 10E |
| Tuillamore            | 51  | 53 | 17N | 7   | 30W |
| Tullibody             | 47  | 56 | 08N | 3   | 50W |
| Tullow                | 51  | 52 | 48N | 6   | 45W |
| Tulsa                 | 101 | 36 | 10N | 96  | 0W  |
| Tumeremo              | 107 | 7  | 18N | 61  | 30W |
| Tummel, L.            | 48  | 56 | 43N | 3   | 55W |
| Tummel, R.            | 48  | 56 | 42N | 4   | 5W  |
| Tumucumaque, Serra de | 108 | 2  | 0N  | 55  | 0W  |
| Tumut                 | 79  | 35 | 16S | 148 | 13E |
| Tunbridge Wells       | 40  | 51 | 7N  | 0   | 16E |
| Tunduma               | 93  | 9  | 20S | 32  | 48E |
| Tunduru               | 93  | 11 | 0S  | 37  | 25E |
| Tungchow              | 73  | 39 | 58N | 116 | 50E |
| Tungchuan             | 73  | 35 | 4   | 10N | 2E  |
| T'unghua              | 73  | 41 | 45N | 126 | 0E  |
| Tungliao              | 73  | 43 | 42N | 122 | 11E |
| Tungting Hu           | 73  | 29 | 15N | 112 | 30E |
| Tunhwang              | 73  | 40 | 5N  | 94  | 46E |
| Tunis                 | 88  | 36 | 50N | 10  | 11E |
| Tunisia ■             | 88  | 33 | 30N | 9   | 10E |
| Tunja                 | 107 | 5  | 40N | 73  | 25W |
| Tunki                 | 73  | 29 | 44N | 118 | 4E  |
| Tura                  | 70  | 25 | 30N | 90  | 16E |
| Turfan                | 73  | 43 | 6N  | 89  | 24E |
| Turfan Depression     | 73  | 42 | 45N | 89  | 0E  |
| Turn                  | 58  | 45 | 33N | 7   | 40E |
| Turkane, L.           | 93  | 4  | 10N | 32  | 10E |
| Turkestan             | 71  | 43 | 10N | 68  | 10E |
| Turkey ■              | 71  | 39 | 0N  | 36  | 0E  |
| Turkmen S.S.R. □      | 71  | 39 | 0N  | 59  | 0E  |
| Turks Is.             | 107 | 21 | 20N | 71  | 20W |
| Turku                 | 61  | 60 | 30N | 22  | 19E |
| Turneffe Is.          | 106 | 17 | 20N | 87  | 50W |
| Turnhout              | 52  | 51 | 19N | 4   | 57E |
| Turnu Măgurele        | 55  | 43 | 46N | 24  | 56E |
| Turnu-Severin         | 55  | 44 | 39N | 22  | 41E |
| Turriř                | 48  | 57 | 32N | 2   | 28W |
| Tuscaloosa            | 101 | 33 | 13N | 87  | 31W |
| Tuscany               | 60  | 43 | 28N | 11  | 15E |
| Tutukorin             | 70  | 8  | 50N | 78  | 12E |
| Tutuilu, I.           | 54  | 47 | 59N | 8   | 50E |
| Tuvu, A.S.S.R. □      | 62  | 51 | 30N | 95  | 0E  |
| Tuvalu                | 23  | 8  | 0S  | 176 | 0E  |
| Tuxpan                | 106 | 20 | 50N | 97  | 30W |
| Tuxtla Gutiérrez      | 106 | 16 | 50N | 93  | 10W |
| Tuyun                 | 73  | 26 | 15N | 107 | 32E |
| Tuzla                 | 58  | 44 | 34N | 18  | 41E |
| Tweed, R.             | 46  | 55 | 42N | 2   | 10W |
| Twin Falls            | 100 | 42 | 30N | 114 | 30W |
| Twyford               | 41  | 51 | 29N | 0   | 51W |
| Tyldesley             | 45  | 53 | 31N | 2   | 29W |
| Tyler                 | 101 | 32 | 18N | 95  | 17W |
| Tyndrum               | 46  | 56 | 26N | 4   | 41W |
| Tyne & Wear □         | 44  | 54 | 55N | 1   | 35W |
| Tyne, R.              | 44  | 54 | 58N | 1   | 28W |
| Tynemouth             | 44  | 55 | 1N  | 1   | 27W |
| Tynewydd              | 43  | 51 | 40N | 3   | 32W |
| Tyrol                 | 54  | 47 | 3N  | 10  | 43E |
| Tyrol □               | 50  | 54 | 40N | 7   | 15W |
| Tyrrhenian Sea        | 58  | 40 | 0N  | 12  | 30E |
| Tyumen                | 62  | 57 | 0N  | 65  | 18E |
| Tywi, R.              | 41  | 42 | 48N | 4   | 20W |
| Tzaneen               | 94  | 23 | 47S | 30  | 9E  |
| Tzekung               | 73  | 29 | 25N | 104 | 30E |
| Tzepo                 | 73  | 36 | 28N | 117 | 58E |

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|                      |     |    |     |     |     |
|----------------------|-----|----|-----|-----|-----|
| Ube                  | 76  | 33 | 56N | 131 | 15E |
| Ubeda                | 60  | 38 | 3N  | 3   | 23W |
| Ubaja                | 90  | 6  | 41N | 6   | 22E |
| Ubundi               | 90  | 2  | 02S | 25  | 30E |
| Ucayali, R.          | 108 | 6  | 0S  | 75  | 0W  |
| Uchiura Bay          | 76  | 45 | 25N | 140 | 40E |
| Uckfield             | 40  | 50 | 58N | 0   | 6E  |
| Udaipur              | 70  | 24 | 36N | 73  | 44E |
| Uddingston           | 47  | 55 | 50N | 4   | 3W  |
| Udi                  | 90  | 6  | 23N | 7   | 21E |
| Udine                | 58  | 46 | 5N  | 13  | 10E |
| Ueda                 | 76  | 36 | 24N | 138 | 16E |
| Uele, R.             | 92  | 3  | 50N | 22  | 40E |
| Uelzen               | 54  | 53 | 0N  | 10  | 33E |
| Ufa                  | 62  | 54 | 45N | 55  | 55E |
| Uffculme             | 43  | 50 | 54N | 3   | 19W |
| Uganda ■             | 93  | 2  | 0N  | 32  | 0E  |
| Uinta Mts.           | 100 | 40 | 45N | 110 | 30W |
| Uitenhage            | 94  | 33 | 40S | 25  | 28E |
| Ujjain               | 70  | 23 | 9N  | 75  | 43E |
| Ujpest               | 55  | 47 | 22N | 19  | 6E  |
| Ujung Pandang        | 72  | 5  | 10S | 119 | 20E |
| Ukiak                | 100 | 39 | 10N | 123 | 9W  |
| Ukraine S.S.R. □     | 62  | 48 | 0N  | 35  | 0E  |
| Ulaanbaatar          | 73  | 47 | 54N | 106 | 52E |
| Ulan Ude             | 62  | 52 | 0N  | 107 | 30E |
| Ulanhot              | 73  | 46 | 5N  | 122 | 1E  |
| Ulco                 | 94  | 28 | 21S | 24  | 15E |
| Ullhasnagar          | 70  | 19 | 15N | 73  | 10E |
| Ullapool             | 48  | 57 | 54N | 5   | 10W |
| Ullswater, L.        | 44  | 54 | 35N | 2   | 52W |
| Ulm                  | 54  | 48 | 23N | 10  | 0E  |
| Ulista               | 49  | 60 | 30N | 1   | 09W |
| Ulster □             | 50  | 54 | 45N | 6   | 30W |
| Ulva, I.             | 48  | 56 | 30N | 6   | 12W |
| Ulverston            | 44  | 54 | 13N | 3   | 7W  |
| Ulverstone           | 79  | 41 | 11S | 146 | 11E |
| Ulyanovsk            | 62  | 54 | 25N | 48  | 25E |
| Ulyasutay (Javhlant) | 73  | 47 | 56N | 97  | 28E |
| Uman                 | 55  | 48 | 40N | 30  | 12E |
| Umbrella Mts.        | 83  | 45 | 35S | 169 | 5E  |
| Umbria □             | 58  | 42 | 53N | 12  | 30E |
| Ume, R.              | 61  | 63 | 45N | 20  | 20E |
| Umeå                 | 61  | 63 | 45N | 20  | 20E |
| Umm Rumah            | 91  | 25 | 50N | 36  | 30E |
| Umm Said             | 71  | 25 | 0N  | 51  | 40E |

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|--------------|--------|
| 066 23 08    | 99 40  |
| 100 26 13N   | 37 32  |
| 100 20 5N    | 98 27  |
| 100 36 15N   | 119 20 |
| 55 45 13N    | 28 40  |
| 89 32 19N    | 35 16  |
| 51 53 17N    | 7 30   |
| 47 56 08N    | 3 50   |
| 51 52 48N    | 3 50   |
| 101 36 12N   | 96 30  |
| 107 18 18N   | 3 50   |
| 48 56 43N    | 3 50   |
| 48 56 42N 4  | 3 50   |
| 108 2 0N     | 55 10  |
| 79 35 16S    | 148 1  |
| 40 51 7N     | 32 14  |
| 93 9 20S     | 0 10   |
| 93 11 0S     | 37 2   |
| 79 39 58N    | 116 50 |
| 73 35 4N     | 109 30 |
| 73 41 45N    | 126 30 |
| 73 29 15N    | 412 33 |
| 73 40 5N     | 90 4   |
| 88 36 50N    | 101 4  |
| 88 33 30N    | 101 4  |
| 107 29 44N   | 118 2  |
| 73 29 44N    | 118 2  |
| 70 25 30N    | 89 2   |
| 73 43 6N     | 89 2   |
| 73 42 45N    | 89 2   |
| 58 45 3N     | 7 4    |
| 71 43 10N    | 68 1   |
| 71 39 0N     | 36     |
| 71 39 0N     | 59     |
| 107 21 20N   | 71 2   |
| 61 60 30N    | 22 1   |
| 106 17 19N   | 87 5   |
| 52 51 19N    | 4 50   |
| 55 43 46N    | 24 2   |
| 55 44 39N    | 22 4   |
| 48 57 32N    | 22 52  |
| 101 33 13N   | 87 3   |
| 60 43 28N    | 11 30  |
| 70 7 50N     | 78 17  |
| 70 48 59N    | 8 5    |
| 22 14 19S    | 170 5  |
| 62 51 30S    | 90 5   |
| 23 8 0S      | 97 3   |
| 106 16 50N   | 93 3   |
| 73 26 15N    | 107 3  |
| 58 44 34N    | 18 4   |
| 46 55 42N    | 1 4    |
| 100 42 52N   | 114 3  |
| 41 51 29N    | 0 2    |
| 45 43 31N    | 0 2    |
| 101 32 16N   | 95 5   |
| 46 56 28N    | 1 3    |
| 44 54 55N    | 1 3    |
| 44 55 1N     | 1 3    |
| 54 47 3N     | 10 7   |
| 50 54 40N    | 7 0    |
| 58 40 0N     | 12 5   |
| 62 57 0N     | 65     |
| 51 41 48N    | 40     |
| 94 23 43N    | 3      |
| 73 29 25N    | 104    |
| 73 26 28N    | 117 4  |
| 66 38 56N    | 131    |
| 90 6 21N     | 6      |
| 92 2 0 15S   | 25     |
| 108 6 0 15S  | 75     |
| 76 45 25N    | 140    |
| 40 50 58N    | 0      |
| 70 24 36N    | 73     |
| 47 55 50N    | 4      |
| 90 50 23N    | 9      |
| 58 46 5N     | 13     |
| 76 36 24N    | 138    |
| 92 3 50N     | 22     |
| 54 53 0N     | 10     |
| 62 54 45N    | 55     |
| 43 50 54N    | 3      |
| 93 2 0 10N   | 32     |
| 100 40 45N   | 110    |
| 94 33 40 15S | 25     |
| 70 23 9N     | 75     |
| 55 47 22N    | 19     |
| 72 5 10S     | 119    |
| 100 39 10N   | 123    |
| 62 48 0N     | 35     |
| 73 47 54N    | 106    |
| 62 52 0N     | 107    |
| 73 46 54N    | 122    |
| 90 21 25N    | 74     |
| 70 19 15N    | 73     |
| 48 57 54N    | 5      |
| 44 54 35N    | 2      |
| 54 48 32N    | 10     |
| 49 60 30N    | 1      |
| 50 54 45N    | 6      |
| 48 56 30N    | 6      |
| 44 54 13N    | 3      |
| 79 41 11S    | 146    |
| 62 54 25N    | 48     |
| 73 47 56N    | 97     |
| 55 48 40N    | 30     |
| 88 45 35N    | 169    |
| 58 42 53N    | 12     |
| 61 63 45N    | 20     |
| 62 54 45N    | 20     |
| 91 25 50N    | 36     |
| 71 25 0N     | 31     |



## Vitava, R

Vitava, R.  
Vogelkop  
Vogels Berg, mt.  
Voi  
Volga, R.  
Volograd  
Völklingen  
Volksrust  
Vologda  
Volsk  
Volta, L.  
Volta, R.  
Voorburg  
Vorarlberg □  
Vorkuta  
Voronezh  
Vosges □  
Vostok I.  
Vrbas, R.  
Vrede  
Vredendal  
Vršac  
Vryburg  
Vryheid  
Vulcano, I.  
Vyborg  
Vyrnwy, L.  
Vyrnwy, R.  
Vyrnyy Volochek

## W

Waal, R.  
Waaiwijk  
Wabash  
Wabrzeźno  
Waco  
Wād Medani  
Waddenzee  
Waddington, Mt.  
Wadebridge  
Wadi Gemal  
Wadi Halfa  
Wageningen  
Wagga Wagga  
Wagin, Austral.  
Wagin, Nigeria  
Waigeo, I.  
Waihi  
Waikaremoana L.  
Waikari  
Waikato, R.  
Waikōkopu  
Waikouaiti  
Waimakairi, R.  
Waimarino  
Waimate  
Waiouru  
Waipara  
Waipawa  
Waipiro  
Waipu  
Waipukurau  
Wairakei  
Wairarapa I.  
Wairau, R.  
Wairoa  
Waiati, R.  
Wairata  
Waiuku  
Wajima  
Wajir  
Wakasa B.  
Wakatipu, L.  
Wakayama  
Wake I.  
Wakefield, N.Z.  
Wakefield, U.K.  
Wakkanai  
Wakkerstroom  
Wātbrzych  
Walbury Hill  
Walcheren, I.  
Waldbröl  
Wales □  
Walgett  
Wallden  
Walker  
Walla Walla  
Wallace  
Wallachia  
Wallaroo  
Wallasey  
Wallingford  
Walls  
Wallsend  
Walmer, S. Afr.  
Walmer, U.K.  
Walmsley  
Walsall  
Walsenburg  
Walsingham  
Waltham Abbey  
Waltham Forest  
Walton-le-Dale  
Walton-on-Thames  
Walton-on-the-Naze  
Walvis Bay  
Wanaka  
Wanaka L.  
Wandoan  
Wandsworth  
Wanganui  
Wangaratta  
Wanhien  
\*Wankie  
Wantage  
Ward, Ireland  
Ward, N.Z.  
Warden  
Wardha

54 49 35N 14 10 E  
72 11 25S 133 0 E  
54 50 37N 9 30 E  
93 3 25S 38 32 E  
62 52 20N 48 0 E  
62 48 40N 44 25 E  
52 49 15N 6 50 E  
94 27 24S 29 53 E  
62 59 25N 40 0 E  
62 52 51N 47 28 E  
88 7 30N 0 15 E  
88 8 0N 0 10 E  
52 52 51N 4 24 E  
54 47 20N 10 0 E  
62 67 48N 64 20 E  
62 51 40N 39 10 E  
56 48 12N 6 20 E  
22 10 5S 152 23W  
58 45 8N 17 29 E  
94 27 24S 29 6 E  
94 31 41S 18 35 E  
55 45 8N 21 18 E  
94 26 55S 24 45 E  
94 27 54S 30 47 E  
58 38 25N 14 58 E  
61 60 43N 28 47 E  
42 52 48N 3 30W  
42 52 43N 3 15W  
61 57 30N 34 30 E

52 51 59N 4 8 E  
52 51 42N 5 4 E  
101 40 48N 85 46W  
55 53 16N 18 57 E  
101 31 33N 97 5W  
89 14 28N 33 30 E  
52 53 6N 5 10 E  
105 51 23N 125 15W  
43 50 31N 4 51W  
91 24 35N 35 10 E  
91 21 53N 31 19 E  
52 51 58N 5 40 E  
79 35 7S 147 24 N  
78 33 17S 117 25 E  
90 12 42N 7 10 E  
72 0 20S 130 40 E  
83 37 23S 175 52 E  
83 38 49S 177 9 E  
83 42 58S 172 41 E  
83 37 23S 174 43 E  
83 39 3S 177 52 E  
83 45 36S 170 41 E  
83 42 23S 172 42 E  
83 40 40S 175 20 E  
83 44 53S 171 3 E  
83 39 28S 175 41 E  
83 43 3S 172 46 E  
83 39 56S 176 38 E  
83 38 2S 176 22 E  
83 35 59S 174 29 E  
83 40 1S 176 33 E  
83 38 37S 176 6 E  
83 41 14S 175 15 E  
83 41 32S 174 7 E  
83 39 3S 177 25 E  
83 44 23S 169 55 E  
83 38 59S 174 15 E  
83 37 15S 174 45 E  
76 37 30N 137 0 E  
93 1 42N 40 20 E  
76 35 45N 135 30 E  
83 45 5S 168 33 E  
76 34 15N 135 15 E  
23 19 18N 166 36 E  
83 41 24S 173 5 E  
45 53 41N 1 31W  
76 45 28N 141 35 E  
94 27 24S 30 10 E  
54 50 45N 16 18 E  
40 51 22N 1 28W  
52 51 30N 3 35 E  
52 50 52N 7 36 E  
42 52 30N 3 30W  
79 30 0S 148 5 E  
45 53 37N 2 24W  
44 54 58N 1 32W  
100 46 3N 118 25W  
100 47 30N 116 0W  
55 44 35N 25 0 E  
79 33 56S 137 39 E  
45 53 26N 3 2W  
40 51 36N 1 08W  
49 60 14N 1 32W  
44 54 59N 1 30W  
94 33 57S 25 35 E  
40 51 12N 1 23 E  
41 52 31N 1 47W  
41 52 36S 1 59W  
100 37 42N 104 45W  
40 52 53N 0 53 E  
41 51 40N 0 1 E  
41 51 37N 0 1 E  
45 53 45N 2 41W  
41 51 21N 0 22W  
40 51 52N 1 17 E  
92 23 0S 14 28 E  
83 44 42S 169 7 E  
83 44 33S 169 7 E  
79 26 5S 149 55 E  
41 51 28N 0 15W  
83 39 35S 175 3 E  
79 36 21S 146 19 E  
73 36 45N 107 24 E  
92 18 18S 26 30 E  
40 51 35N 1 25W  
51 53 25N 6 19W  
83 41 49S 174 11 E  
94 27 50S 29 0 E  
70 20 45N 78 39 E

Wareham  
Warendorf  
Warkworth  
Warley  
Warlingham  
Warmbad  
Warminster  
Warnemünde  
Warner Range, Mts.  
Warrego, R.  
Warren  
Warrenpoint  
Warrenton  
Warri  
Warrina  
Warrington  
Warrnambool  
Warsaw  
Warsop  
Warszawa = Warsaw  
Warta, R.  
Warwick, Austral.  
Warwick, U.K.  
Warwick □  
Wasatch, Mt., Ra.  
Wash, The  
Washington, U.K.  
Washington, U.S.A.  
Washington □  
Watchet  
Waterbeach  
Waterberg  
Waterbury  
Waterford  
Waterford □  
Waterford Harb.  
Waterloo  
Waterlooville  
Watertown  
Watervall-Boven  
Waterville  
Watford  
Wath upon Dearne  
Watlings I.  
Watlington  
Watsa  
Watson Lake  
Watton  
Waubellia Is.  
Wau  
Waukegan  
Wausau  
Waver Hill  
Waveney, R.  
Waverley  
Waxahachie  
Waycross  
Weald, The  
Wear, R.  
Weardale  
Weatherford  
Weaver, R.  
Weddell Sea  
Wednesbury  
Wednesfield  
Weenen  
Weert  
Weifang  
Weihai  
Weimar  
Weipa  
Weiser  
Welkom  
Welland, R.  
Wellesley Is.  
Wellingborough  
Wellington, Austral.  
Wellington, N.Z.  
Wellington, S. Afr.  
Wellington, U.K.  
Wellington, U.S.A.  
Wellington □  
Wells, Norfolk, U.K.  
Wells, Somerset, U.K.  
Wels  
Welshpool  
Welwyn Garden City  
Wem  
Wemyss Bay  
Wenatchee  
Wenchow  
Wendover  
Wensleydale  
Wensum, R.  
Wentworth, Austral.  
Wentworth, U.K.  
Wepener  
Werne  
Werra, R.  
Wesel  
Weser, R.  
West Bengal □  
West Beskids, mts.  
West Bromwich  
West Calder  
West Glamorgan □  
West Indies  
West Kilbride  
West Kirby  
West Linton  
West Mersea  
West Midlands □  
West Nicholson  
West Palm Beach  
West Schelde R.  
West Siberian Plain  
West Sussex □  
West Virginia □  
West Yorkshire □  
Westerdal R.  
Westerham  
Western Australia □  
Western Desert

43 50 41N 2 8 W  
52 51 57N 8 0 E  
83 36 24S 174 41 E  
41 52 30N 2 0W  
41 51 18N 0 03W  
94 24 51S 28 19 E  
42 51 12N 2 11W  
54 54 9N 12 5 E  
105 41 30S 120 20W  
79 30 24S 145 21 E  
101 41 52N 79 10W  
50 54 7N 6 15W  
94 28 9S 24 47 E  
90 5 30N 5 40 E  
79 28 12S 135 50 E  
45 53 25S 2 38W  
79 38 25S 142 30 E  
55 52 13N 21 0 E  
44 53 13N 1 9W  
55 52 13N 21 0 E  
54 52 35N 14 39 E  
79 28 10S 152 1 E  
42 52 17N 1 36W  
42 52 20N 1 30W  
100 40 30N 111 15W  
32 52 58N 0 20W  
44 54 55N 1 30W  
104 38 52N 77 0W  
100 47 45N 120 30W  
42 51 10N 3 20W  
40 52 16N 0 11 E  
94 24 14S 28 0 E  
104 41 32N 73 0W  
51 52 16N 7 8W  
51 52 10N 7 40W  
51 52 10N 6 58W  
101 42 27N 92 20W  
40 50 52N 1 01W  
104 43 58N 75 57 E  
94 25 40S 30 18 E  
51 51 49N 10 10W  
41 51 38N 0 23W  
45 53 30N 1 21W  
107 24 0N 74 35W  
41 51 38N 1 0W  
93 3 4N 29 30 E  
98 60 6N 128 49W  
40 52 35N 0 50 E  
72 4 28S 131 54 E  
89 7 45N 28 1 E  
101 42 22N 87 54W  
101 44 57N 89 40W  
78 17 32S 131 0 E  
40 52 24N 1 20 E  
83 39 46S 174 37 E  
101 32 22N 96 53W  
101 31 12N 82 25W  
40 51 7N 0 9 E  
44 54 55N 1 22W  
44 54 44N 2 5W  
100 32 45N 97 48W  
45 53 17N 2 35W  
112 72 30S 40 0W  
41 52 33N 2 1W  
41 52 36N 2 3W  
94 28 48S 30 7 E  
52 51 15N 5 43 E  
73 36 47N 119 10 E  
37 30N 122 10 E  
54 51 0N 11 20 E  
79 12 24S 141 50 E  
100 44 10N 117 0W  
94 28 0S 26 50 E  
45 52 43N 0 10W  
79 17 20S 139 30 E  
40 52 18N 0 41W  
79 32 35S 148 59 E  
83 41 19S 174 46 E  
94 33 38S 18 57 E  
44 52 42N 2 31W  
107 37 15N 97 25W  
83 40 8S 175 36 E  
40 52 57N 0 51 E  
42 51 12N 2 39W  
54 48 9N 14 1 E  
42 52 40N 3 9W  
41 51 49N 0 11W  
45 52 52N 2 45W  
47 55 52N 4 54W  
105 47 30N 120 17W  
73 28 0N 120 35 E  
41 51 46N 0 45W  
44 54 18N 2 0W  
40 52 37N 1 22 E  
79 34 2S 141 54 E  
94 53 28N 1 25W  
94 29 42S 27 3 E  
52 51 38N 7 38 E  
54 51 0N 10 0 E  
54 51 39N 6 34 E  
52 53 33N 8 30 E  
70 20 0N 90 0 E  
59 49 30N 19 25W  
42 53 32N 2 1W  
47 55 51N 3 34W  
42 51 40N 3 55W  
96 15 0N 70 0W  
47 55 41N 4 50W  
45 53 22N 3 11W  
45 55 45N 3 24W  
40 51 46N 0 55 E  
45 52 30N 1 55W  
92 21 2S 29 20 E  
101 26 44N 80 3W  
52 51 23N 3 50 E  
62 62 0N 75 0 E  
40 50 55N 0 30W  
101 39 0N 81 0W  
44 53 45N 1 40W  
61 60 30N 14 0 E  
41 51 16N 0 5 E  
78 25 0S 118 0 E  
91 27 40N 26 30 E

Western Germany ■  
Western Ghats  
Western Isles □  
Western Malaysia □  
Western Samoa ■  
Westerwald  
Westhoughton  
Westland □  
Westland Bight  
Westmeath □  
Westminster  
Weston  
Weston-super-Mare  
Weston upon Trent  
Westport, Ireland  
Westport, N.Z.  
Westray Firth  
Westray, I.  
Westward Ho!  
Wetar, I.  
Wetherby  
Wetteren  
Wetzlar  
Wewak  
Wexford  
Wexford □  
Wexford Harb.  
Wey, R.  
Weybridge  
Weymouth  
Whakatane  
Whalley Bridge  
Whalley  
Whalsay, I.  
Whangamomona  
Whangarei  
Wharfe, R.  
Wheatley Hill  
Wheeling  
Wherside, Mt.  
Whickham  
Whiddy, I.  
Whiston  
Whitburn  
Whitby  
Whitchurch, Hants., U.K.  
Whitchurch, Salop, U.K.  
White Cliffs  
White Mts., Czech.  
White Mts., U.S.A.  
White Mts., U.S.A.  
White Nile, R.  
White Russia  
White Sea  
Whitefield  
Whitehaven  
Whitehead  
Whitehorse  
Whithorn  
Whitianga  
Whitley Bay  
Whitney, Mt.  
Whitstable  
Whittington, Derby, U.K.  
Whittington, Salop, U.K.  
Whittle-le-Woods  
Whittlesey  
Whitworth  
Whyalla  
Wichita  
Wichita Falls  
Wick  
Wickersley  
Wickford  
Wickham Market  
Wicklow  
Wicklow □  
Wicklow Hd.  
Wicklow Mts.  
Wide Open  
Widnes  
Wieliczka  
Wien = Vienna  
Wiener Neustadt  
Wiesbaden  
Wigan  
Wiesbaden  
Wigmore  
Wigston  
Wigton  
Wigtown  
Wigtown B.  
Wilcannia  
Wilge R.  
Wilhelm II Coast  
Wilhelmshaven  
Wilkes Barre  
Wilkes Land  
Wilkie  
Willebroek  
Willemsd  
Willenhall  
Williams Lake  
Williamsport  
Willington  
Williston, S. Afr.  
Williston, U.S.A.  
Williton  
Willmar  
Willowmore  
Wilmington, Del., U.S.A.  
Wilmington, N.C., U.S.A.  
Wilmslow  
Wilnecote  
Wilson's Promontory  
Wilton  
Wiltshire □

54 50 0N 8 0 E  
70 15 30N 74 30 E  
49 57 30N 7 10W  
72 4 0N 102 0 E  
22 14 0S 172 0W  
54 50 39N 8 0 E  
45 53 34N 2 30W  
83 43 33S 169 59 E  
83 42 55S 170 5 E  
51 53 30N 7 30W  
41 51 30N 0 07W  
45 53 55N 2 44W  
45 51 20N 2 59W  
45 52 50N 2 02W  
49 59 15N 3 0W  
83 41 46S 171 37 E  
49 59 18N 3 0W  
43 51 2N 4 16W  
72 7 30S 126 30 E  
45 53 56N 1 23W  
52 51 0N 3 53 E  
54 50 33N 8 30 E  
79 3 38S 143 41 E  
51 52 20N 6 28W  
51 52 20N 6 25W  
51 52 20N 6 25W  
41 51 19N 0 29W  
41 51 22N 0 28W  
98 49 40N 103 50W  
43 50 36N 2 28W  
83 37 57S 177 1 E  
45 53 49N 2 25W  
49 60 22N 1 0W  
83 39 8S 174 44 E  
83 35 43S 174 21 E  
44 53 55N 1 30W  
44 54 45N 1 23W  
104 40 2N 80 41W  
44 54 14N 2 24W  
44 54 56N 1 41W  
51 51 41N 9 30W  
45 53 25N 2 45W  
47 55 52N 3 41W  
44 54 29N 0 37W  
40 51 14N 1 20W  
45 52 58N 2 42W  
83 43 26S 171 55 E  
55 49 0N 17 50 E  
100 37 30N 118 15W  
40 51 15N 17 15W  
89 9 30N 31 40 E  
62 53 30N 27 0 E  
61 66 30N 38 0 E  
45 53 33N 2 18W  
44 54 33N 3 35W  
50 54 45N 5 42W  
98 60 43N 135 3W  
46 54 55N 4 25W  
83 36 47S 175 41 E  
44 55 4N 1 28W  
105 36 35N 118 14W  
40 51 21N 1 2 E  
45 53 17N 1 26W  
45 52 53N 3 0W  
45 53 40N 2 37W  
40 52 34N 0 8W  
45 53 40N 2 11W  
79 33 2S 137 30 E  
101 37 40N 97 29W  
100 33 57N 98 30W  
48 58 26N 3 5W  
45 53 25N 1 17W  
41 51 37N 0 31 E  
40 52 9N 1 21 E  
51 53 0N 6 2W  
51 52 59N 6 25W  
51 52 59N 6 3W  
51 53 0N 6 30W  
44 55 02N 1 36W  
45 52 22N 2 44W  
55 50 0N 20 5 E  
54 48 12N 16 22 E  
54 47 49N 16 16 E  
52 50 7N 8 17 E  
45 53 33N 2 38W  
41 52 19N 2 51W  
41 52 35N 1 6W  
44 54 50N 3 9W  
46 54 52N 4 27W  
46 54 46N 4 15W  
79 31 30S 143 26 E  
94 25 40S 29 10 E  
112 67 0S 90 0 E  
54 53 30N 8 9 E  
104 41 15N 75 52W  
112 69 0S 120 0 E  
98 52 27N 108 42W  
52 51 4N 4 22 E  
107 12 5N 69 0W  
41 52 36N 2 3W  
105 52 10N 122 10W  
104 41 18N 77 1W  
44 54 43N 1 42W  
94 31 20S 20 53 E  
100 48 10N 103 35W  
42 51 9N 3 20W  
101 45 5N 95 0W  
94 33 15S 23 30 E  
104 39 45N 75 32W  
101 34 14N 77 54W  
45 53 19N 2 14W  
41 52 36N 1 40W  
79 38 55S 146 25 E  
41 51 5N 1 52W  
42 51 20N 2 4W

Wiluna  
Winborne Minster  
Wimmera  
Winburg  
Wincanton  
Winchester, U.K.  
Winchester, U.S.A.  
Wind River Range, Mts.  
Windermer  
Windermere, L.  
Windhoek  
Windorah  
Windsor, Can.  
Windsor, U.K.  
Windward Is.  
Windward Passage  
Wingate  
Winkleigh  
Winnemucca  
Winnipeg  
Winnipeg, U.S.A.  
Winnipegosis L.  
Winona  
Winschoten  
Winsford  
Winslow, U.K.  
Winslow, U.S.A.  
Winston-Salem  
Winterswijk  
Winterthur  
Winton, Austral.  
Winton, N.Z.  
Wirksworth  
Wirral  
Wisbech  
Wisconsin □  
Wishaw  
Wismar  
Withbank  
Witham  
Witheridge  
Withernsea  
Withnell  
Witney  
Witten  
Wittenberge  
Wittenburg  
Wittenoom  
Witwatersrand  
Witwaterscombe  
Wivenhoe  
Wokam, I.  
Woking  
Wokingham  
Wolin  
Wollaston Pen.  
Wollongong  
Wolmaransdorp  
Wolverhampton  
Wolverton  
Wolveston  
Wombwell  
Wondai  
Wonthaggi  
Woodbridge  
Woodhall Spa  
Woodroffe, Mt.  
Woodstock  
Woodville  
Woolacombe  
Wooler  
Woomera  
Wootton Bassett  
Wootton Bassett  
Worcester, S. Afr.  
Worcester, U.K.  
Worcester, U.S.A.  
Workington  
Workop  
Wormerveer  
Wormit  
Worms  
Worms Head  
Worsbrough  
Worsley  
Worthing  
Wotton-under-Edge  
Wragby  
Wrangel I.  
Wrangell  
Wrangell Mts.  
Wrath, C.  
Wrekin, The  
Wrexham  
Writtle  
Wroclaw  
Wrotham  
Wroughton  
Wroxham  
Wuchow  
Wuchung  
Wuhan  
Wuhu  
Wukari  
Wulumuchi  
Wum  
Wuppertal  
Würzburg  
Wusih  
Wusu  
Wutonghiao  
Wuwei  
Wuyi Shan  
Wuyun  
Wyandra  
Wye  
Wye, R.  
Wymondham  
Wynberg  
Wyndham, Austral.  
Wyndham, N.Z.

78 26 36S 120 14 E  
43 50 48N 2 0W  
79 36 30S 142 0 E  
94 28 30S 27 2 E  
43 51 3N 2 24W  
40 51 4N 1 19W  
39 19 14N 78 8W  
100 43 0N 109 30W  
44 54 24N 2 56W  
44 54 20N 17 4 E  
92 22 35S 1 7W  
79 25 24S 142 36 E  
104 42 18N 83 0W  
41 51 28N 0 36W  
107 13 0N 63 0W  
107 20 0N 74 0W  
47 56 12N 3 1W  
44 54 44N 1 23W  
43 50 49N 3 57W  
100 41 0N 117 45W  
98 49 54N 97 9W  
98 52 0N 97 0W  
98 52 30N 100 0W  
101 44 2N 91 45W  
52 53 9N 7 3 E  
44 53 12N 2 31W  
40 51 57N 0 52W  
100 35 2N 110 41W  
101 36 7N 80 15W  
52 51 58N 6 43 E  
54 47 30N 8 44 E  
79 22 24S 143 3 E  
83 46 8S 168 20 E  
44 53 5N 1 34W  
44 53 25N 3 0W  
40 52 39N 0 10 E  
101 44 30N 90 0W  
47 55 46N 3 55W  
107 5 59N 58 18W  
94 25 51S 29 14 E  
41 51 48N 0 39 E  
43 50 55N 3 43W  
44 53 43N 2 2W  
43 42 2N 2 33W  
40 51 47N 1 29W  
52 51 26N 7 19 E  
54 53 0N 11 44 E  
54 53 30N 11 4 E  
78 22 15S 118 20 E  
94 26 0S 27 0 E  
43 51 2N 3 20W  
40 51 51N 0 59 E  
72 5 45S 134 28 E  
41 51 18N 0 33W  
41 51 25N 0 50W  
54 53 50N 14 37 E  
98 69 30N 115 0W  
79 34 25S 150 54 E  
94 27 12S 26 13 E  
41 52 35N 2 6W  
40 52 3N 0 48W  
44 54 39N 1 25W  
45 53 31N 1 23W  
79 26 20S 151 49 E  
79 38 37S 145 37 E  
40 52 6N 1 19 E  
44 53 10N 0 12W  
78 26 0S 131 45 E  
40 51 51N 0 20W  
83 40 20S 175 53 E  
42 51 10N 4 12W  
46 55 33N 2 0W  
79 31 11S 136 47 E  
104 44 5N 98 15W  
42 51 32N 1 55W  
94 33 39S 19 27 E  
42 52 12N 2 12W  
104 42 14N 71 49W  
44 54 39N 3 34W  
44 53 19N 1 9W  
52 52 30N 4 46 E  
47 56 26N 2 59W  
54 49 37N 8 21 E  
42 51 33N 4 19W  
45 53 31N 1 29W  
45 53 30N 2 23W  
40 50 49N 0 37W  
43 51 37N 2 20W  
44 53 17N 0 18W  
62 71 0N 180 0 E  
98 56 30N 132 25W  
98 61 40N 143 30W  
48 58 38N 5 0W  
42 52 41N 2 35W  
42 53 5N 3 0W  
41 51 44N 0 27 E  
54 51 5N 17 5 E  
41 51 18N 0 20 E  
42 51 31N 1 47W  
40 52 42N 1 23 E  
73 38 26N 111 19 E  
73 38 4N 106 12 E  
73 30 35N 114 15 E  
73 31 18N 118 20 E  
90 7 57N 9 42 E  
73 43 40N 87 50 E  
90 6 40N 10 2 E  
52 51 15N 0 7 E  
54 49 46N 9 55 E  
73 31 30N 120 30 E  
73 44 27N 84 37 E  
73 29 25N 104 0 E  
73 37 55N 102 48 E  
73 26 40N 116 30 E  
73 46 16N 129 37 E  
79 27 12S 145 56 E  
40 51 11N 0 56 E  
42 51 36N 2 40W  
40 52 34N 1 7 E  
94 34 2S 18 28 E  
78 15 33S 128 3 E  
83 46 20S 168 51 E

## Wyndham

\* Renamed Hwange

† Now part of Malaysia



Wyoming

|          |            |        |
|----------|------------|--------|
| Wyoming  | 100 42 48N | 109 0W |
| Wyre, R. | 45 53 52N  | 2 57W  |

X

|           |            |        |
|-----------|------------|--------|
| Xingu, R. | 108 2 25 S | 52 35W |
|-----------|------------|--------|

Y

|                    |            |          |
|--------------------|------------|----------|
| Yaan               | 73 30 0N   | 102 59 E |
| Yabassi            | 90 4 30N   | 9 57 E   |
| Yablonovyy Ra.     | 62 53 0N   | 114 0 E  |
| Yakima             | 105 46 42N | 120 30W  |
| Yakima, R.         | 105 47 0N  | 120 30W  |
| Yaku-Jima          | 76 30 20N  | 130 30 E |
| Yakutsk            | 62 62 5N   | 129 40 E |
| Yalgoo             | 78 28 16S  | 116 39 E |
| Yallourn           | 79 38 10S  | 146 18 E |
| Yalung K.          | 73 32 0N   | 100 0 E  |
| Yamagata           | 76 38 15N  | 140 15 E |
| Yamaguchi          | 76 34 10N  | 131 32 E |
| Yamdena            | 72 7 45S   | 131 20 E |
| Yampi Sd.          | 78 16 8S   | 123 38 E |
| Yan                | 90 10 5N   | 12 11 E  |
| Yanam              | 70 16 47N  | 82 15 E  |
| Yangchuan          | 73 38 0N   | 113 29 E |
| Yangtze Chiang, R. | 73 27 30N  | 99 30 E  |
| Yaoundé            | 88 3 50N   | 11 35 E  |
| Yaqui, R.          | 106 28 28N | 109 30W  |
| Yaraka             | 79 24 53 S | 144 3 E  |
| Yare, R.           | 40 52 36N  | 1 28 E   |
| Yarmouth           | 40 50 42N  | 1 29W    |
| Yaroslavl          | 62 57 35N  | 39 55 E  |
| Yate               | 43 51 32N  | 2 26W    |
| Yatsushiro         | 76 32 30N  | 130 40 E |
| Yawatahama         | 76 33 27N  | 132 24 E |
| Yayama-retto       | 76 24 30N  | 123 40 E |
| Yazd               | 71 31 55N  | 54 27 E  |
| Yeadon             | 45 53 52N  | 1 40W    |
| Yedintsy           | 55 48 5N   | 27 20 E  |
| Yehsien            | 73 37 12N  | 119 58 E |

|                           |            |          |
|---------------------------|------------|----------|
| Yell, I.                  | 49 60 35N  | 1 5W     |
| Yellow Sea                | 73 35 0N   | 123 0 E  |
| Yellowknife               | 98 62 27N  | 114 21W  |
| Yellowstone National Park | 100 44 35N | 110 0W   |
| Yellowstone, R.           | 100 47 58N | 103 59W  |
| Yemen                     | 71 15 0N   | 44 0 E   |
| Yenangyaung               | 70 20 30N  | 95 0 E   |
| Yenbo'                    | 71 24 0N   | 38 5 E   |
| Yenisey, R.               | 62 68 0N   | 86 30 E  |
| Yeniseysk                 | 62 58 39N  | 92 4 E   |
| Yent'ai                   | 73 37 35N  | 121 25 E |
| Yeovil                    | 43 50 57N  | 2 38W    |
| Yeppoon                   | 79 23 5 S  | 150 47 E |
| Yerevan                   | 71 40 10N  | 44 20 E  |
| Yes Tor                   | 43 50 41N  | 3 59W    |
| Yeu, I. d'                | 56 46 42N  | 2 20W    |
| Yilan                     | 73 24 47N  | 121 44 E |
| Yinchuan                  | 73 38 30N  | 106 20 E |
| Yingkow                   | 73 40 43N  | 122 9 E  |
| Yiyang                    | 73 28 45N  | 112 16 E |
| Yogyakarta                | 72 7 49S   | 110 22 E |
| Yokkaichi                 | 76 35 0N   | 136 30 E |
| Yokohama                  | 76 35 27N  | 139 39 E |
| Yokosuka                  | 76 35 20N  | 139 40 E |
| Yokote                    | 76 39 20N  | 140 30 E |
| Yola                      | 90 9 10N   | 12 29 E  |
| Yonago                    | 76 35 25N  | 133 19 E |
| Yonezawa                  | 76 37 57N  | 140 4 E  |
| Yonkers                   | 104 40 57N | 73 51W   |
| York, Austral.            | 78 31 52S  | 116 47 E |
| York, U.K.                | 44 53 58N  | 1 7W     |
| York, U.S.A.              | 104 39 57N | 76 43W   |
| York, C.                  | 79 10 42S  | 142 31 E |
| Yorke Pen.                | 79 34 50S  | 137 40 E |
| Yorkshire Wolds           | 44 54 0N   | 0 30W    |
| Yorkton                   | 98 51 11N  | 102 28W  |
| Yosemite National Park    | 100 38 0N  | 119 30W  |
| Youghal                   | 51 51 58N  | 7 51W    |
| Youghal Har.              | 51 51 55N  | 7 50W    |
| Young                     | 79 34 19S  | 148 18 E |
| Youngstown                | 104 41 7N  | 80 41W   |
| Ypres                     | 52 50 50N  | 2 52 E   |
| Ysabel, I.                | 79 8 0S    | 158 40 E |
| Ystalyfera                | 43 51 46N  | 3 48W    |

|                 |            |          |
|-----------------|------------|----------|
| Ystradgynlais   | 43 51 47N  | 3 45W    |
| Ythan, R.       | 48 57 26N  | 2 12W    |
| Yuba City       | 100 39 12N | 121 37W  |
| Yübari          | 76 43 4N   | 141 59 E |
| Yucatán         | 106 21 30N | 86 30W   |
| Yucatán Channel | 106 22 0N  | 86 30W   |
| Yugoslavia      | 58 44 0N   | 20 0 E   |
| Yukon, R.       | 98 65 30N  | 150 0W   |
| Yukon Territory | 98 63 0N   | 135 0W   |
| Yuma            | 100 32 45N | 114 37W  |
| Yumen           | 73 41 13N  | 96 55 E  |
| Yun Ho          | 73 35 0N   | 117 0 E  |
| Yungtsi         | 73 34 50N  | 110 25 E |
| Yunnan          | 73 25 0N   | 102 30 E |
| Yutze           | 73 37 45N  | 112 45 E |

Z

|                |            |          |
|----------------|------------|----------|
| Zaandam        | 52 52 26N  | 4 49 E   |
| Zabrze         | 55 50 18N  | 18 46 E  |
| Zacapa         | 106 14 59N | 89 31W   |
| Zacatecas      | 106 22 49N | 102 34W  |
| Zacoalco       | 106 20 10N | 103 40W  |
| Zadar          | 58 44 8N   | 15 8 E   |
| Zafra          | 60 38 26N  | 6 30W    |
| Zagañ          | 54 51 39N  | 15 22 E  |
| Zagazig        | 91 30 40N  | 31 12 E  |
| Zagnanado      | 90 7 18N   | 2 28 E   |
| Zagreb         | 58 45 50N  | 16 0 E   |
| Zagros Mts.    | 71 33 45N  | 47 0 E   |
| Zahedán        | 71 29 30N  | 60 50 E  |
| Zahlah         | 71 33 52N  | 35 50 E  |
| Zaire, R.      | 92 1 30N   | 28 0 E   |
| Zaire, Rep. of | 92 3 0S    | 23 0 E   |
| Zambéze, R.    | 92 18 46S  | 36 16 E  |
| Zambia         | 92 15 0S   | 28 0 E   |
| Zamboanga      | 72 6 59N   | 122 3 E  |
| Zamora, Mexico | 106 20 0N  | 102 21W  |
| Zamora, Spain  | 60 41 30N  | 5 45W    |
| Zanesville     | 104 39 56N | 82 2W    |
| Zanjan         | 71 36 40N  | 48 35 E  |
| Zanthus        | 78 31 2S   | 123 34 E |

|                              |            |          |
|------------------------------|------------|----------|
| Zanzibar                     | 93 6 12N   | 39 12 E  |
| Zaporozhye                   | 62 47 50N  | 35 10 E  |
| Zaragoza                     | 60 41 39N  | 0 53W    |
| Zaria                        | 90 11 0N   | 7 40 E   |
| Zary                         | 54 51 37N  | 15 10 E  |
| Zastron                      | 94 30 18S  | 27 7 E   |
| Zawyet Shammās               | 91 31 30N  | 26 37 E  |
| Zāwyyet Um el Rakham         | 91 31 18N  | 27 1 E   |
| Zāwyyet Ungeila              | 91 31 23N  | 26 42 E  |
| Zduńska Wola                 | 55 51 37N  | 18 59 E  |
| Zeehan                       | 79 41 52S  | 145 25 E |
| Zeeoland                     | 52 51 41N  | 5 40 E   |
| Zeerust                      | 94 25 31S  | 26 4 E   |
| Zeist                        | 52 52 5N   | 5 15 E   |
| Zemun                        | 55 44 51N  | 20 25 E  |
| Zerbst                       | 54 51 59N  | 12 8 E   |
| Zhabinka                     | 55 52 13N  | 24 2 E   |
| Zhdanov                      | 62 47 5N   | 37 31 E  |
| Zhigansk                     | 62 66 35N  | 124 10 E |
| Zhitomir                     | 55 50 20N  | 28 40 E  |
| Zhmierinka                   | 55 49 2N   | 28 10 E  |
| Ziel, Mt.                    | 78 23 20S  | 132 30 E |
| Zielona Góra                 | 54 51 57N  | 15 31 E  |
| Zilina                       | 55 49 12N  | 18 42 E  |
| Zilling Tso                  | 73 31 40N  | 89 0 E   |
| Zimbabwe                     | 92 20 16S  | 31 0 E   |
| Zimbabwe (formerly Rhodesia) | 92 19 0S   | 29 0 E   |
| Zinder                       | 90 13 48N  | 9 0 E    |
| Zion Nat. Park               | 100 37 25N | 112 50W  |
| Zolochew                     | 55 49 45N  | 24 58 E  |
| Zrenjanin                    | 55 45 22N  | 20 23 E  |
| Zug                          | 54 47 10N  | 8 31 E   |
| Zuid-Holland                 | 52 52 0N   | 4 35 E   |
| Zululand                     | 94 43 19N  | 2 15 E   |
| Zumbo                        | 92 15 35S  | 30 26 E  |
| Zürich                       | 54 47 22N  | 8 32 E   |
| Zuru                         | 90 11 27N  | 5 4 E    |
| Zutphen                      | 52 52 9N   | 6 12 E   |
| Zvolen                       | 55 48 33N  | 19 10 E  |
| Zweibrücken                  | 52 49 15N  | 7 20 E   |
| Zwickau                      | 54 50 43N  | 12 30 E  |
| Zwolle                       | 52 52 31N  | 6 6 E    |
| Zyrardów                     | 55 52 3N   | 20 35 E  |
| Zyryanovsk                   | 73 49 50N  | 84 57 E  |

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# The Earth from Space

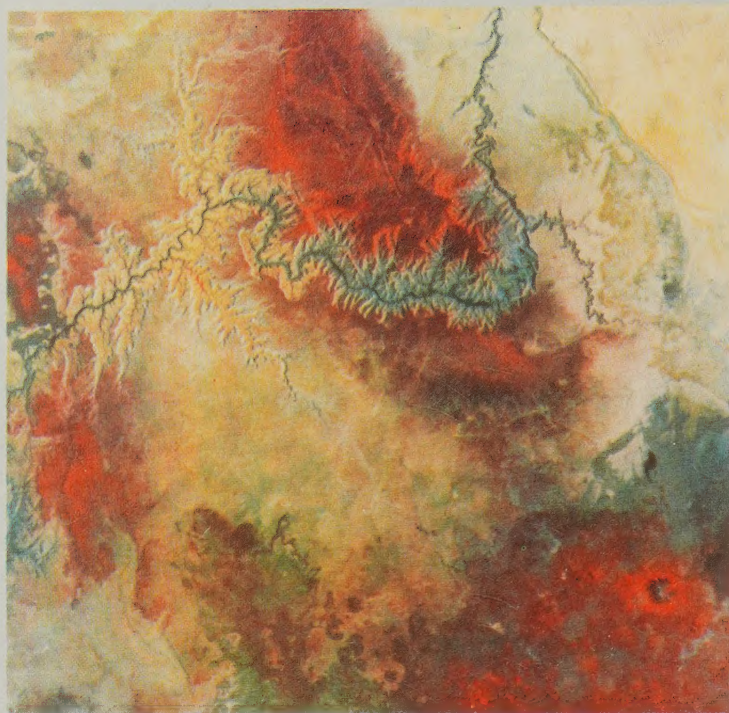
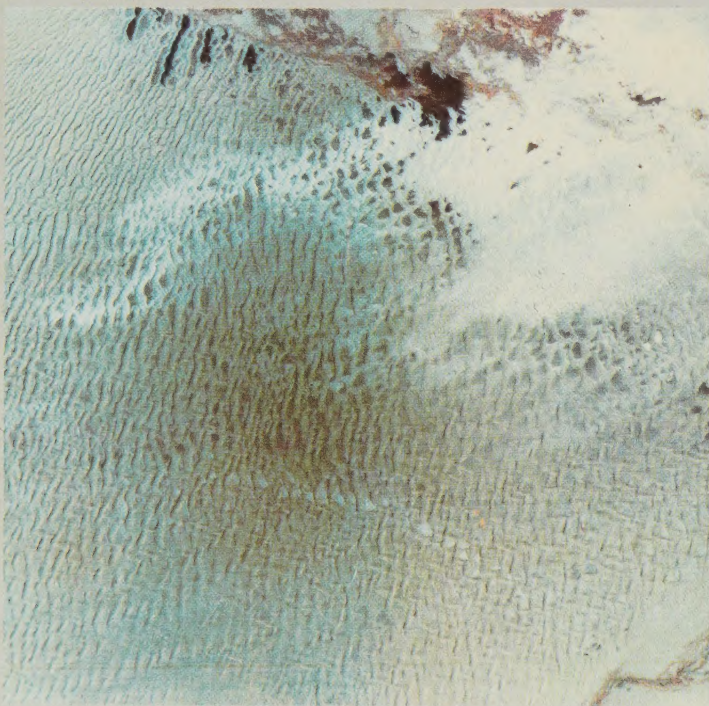


## 1. ROCKY MOUNTAINS (CANADA)

This is an area of high precipitation, much of which falls as snow which covers the high mountains in this image, emphasizing the drainage pattern. The conspicuous straight valley bisecting the area is part of the Rocky Mountain Trench, a great fault zone that extends from Alaska to Montana.

## 3. TAKLA MAKAN DESERT (CHINA)

Snow cover spreads over the marshland around the Tarim River in the north-east and onto the desert sand-dunes. It is not easy to appreciate the size of these dunes from this image; individual dune ridges are 1½-3km wide and extend 8-32km.



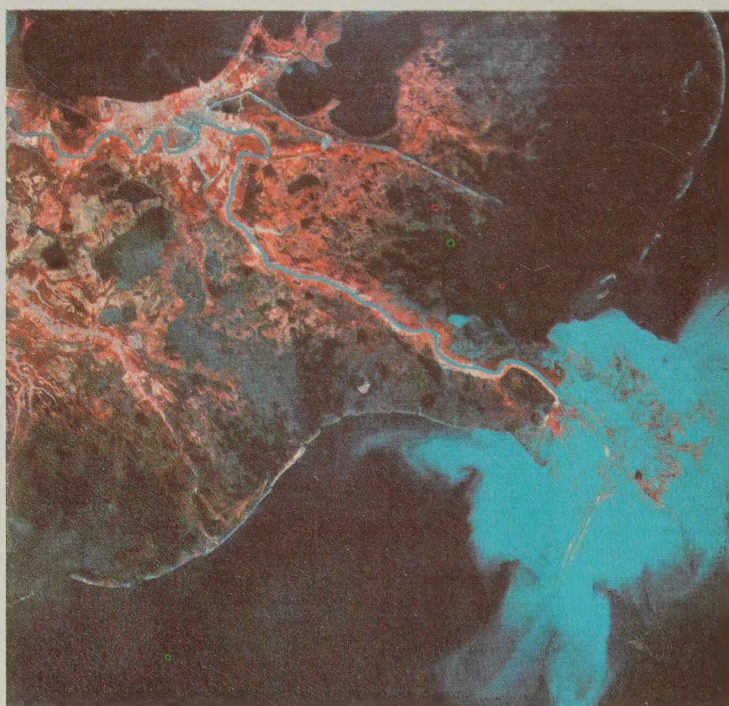
## 2. GRAND CANYON (U.S.A.)

The Colorado river is shown here flowing through the Grand Canyon in Arizona, which at this point is 1.5km deep and 20km wide. The reddish area distinguishes the Kaibab Plateau, an area over 2700m high, on which higher precipitation permits vegetation growth.

*A Landsat satellite launched and controlled by NASA in the USA travels around the earth at a height of 917km, and "photographs" every point of the world once every 18 days. The view from the satellite is broken into four component bands of the spectrum, bands 4, 5, 6, and 7, converted into electrical signals and transmitted*

## 4. MISSISSIPPI DELTA (U.S.A.)

The blue colouring of the farmland in this area is caused by extensive flooding of the Mississippi River. The large quantity of sediment transported by the river flows into the Gulf of Mexico building up the delta and appearing as a light blue mass in the sea.







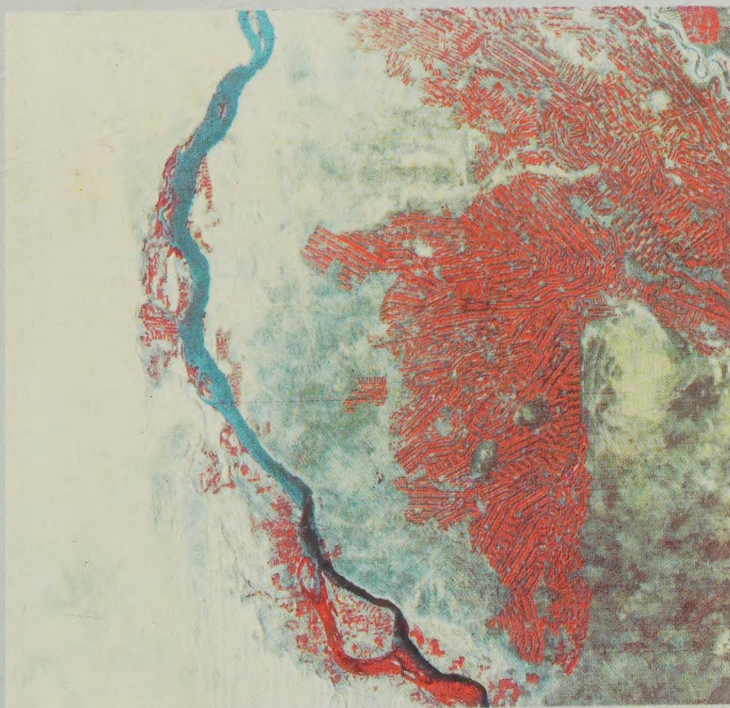
#### 5. EAST MIDLANDS (ENGLAND)

This image covers an area from the Pennines to the North Sea, with the Humber estuary and The Wash. The urban centres are blue-grey, the bare highlands and mine-workings black. The agricultural areas are bright red except round the Wash where the waterlogged Fenlands have a bluish tinge.

*back to earth. Here it is reassembled into false-colour photographic images where vegetation appears bright red, soil as yellow-brown, water as black and concrete or bare-rock as blue-grey. The scale of these satellite photographs is approximately 1:1 600 000, each showing an area about 170km by 170km.*

#### 7. GEZIRA (SUDAN)

The White Nile here flows through flat, clay plains in a region of only 20cm of rain per year. The Gezira scheme developed irrigation in this area permitting cultivation of the land. The strip fields show up as red where cotton is being grown and yellow where they are lying fallow.



#### 6. WINNIPEG (CANADA)

The town of Winnipeg is surrounded by a cultivated plain which is divided up by farm roads into 1.6km wide sections resulting in a chequerboard pattern. The contrasts between the flat plain and neighbouring mountains are emphasized by the differing landuse.

#### 8. NEW YORK (U.S.A.)

New York city is clearly visible as a purple area in the north-east of this picture. The parks show up as bright red patches within the city. The white patches are where infertile sandy soils of the coastal plain, the sandy offshore bar, and spit inhibit vegetation growth.





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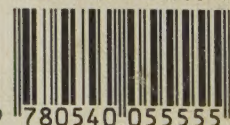


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